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## WFFLEERS, SEAMEN, AND MARINES,


VOYAGES TO THE ARCTIC REGIONS,
FOR THE SEARCH OF A NORTHWE:T PASSAGI FROM THE

 AND WHO,


 TIIS RECORS OFTAE!
 3Nsetabe:b,

BV THEIK SINCERE WERL-WISHER,

JOHN B. BRROHF.

## PREFACE.

Ir, by bringing forward the present volume, I shall have succecded in affording gratification to those who are mainly the objects of it, my principal aim will be accomplished: in the coinpilation of it, I was influenced by the consideration that such an epitome was due to those whose persevering and adventurous excrtions for the extension and improvement of science and geography have conferred a public bencfit; but it did not escape me that something of this kind was also wanting, and might be acceptable, to supply the place of the official quarte volunes, whose costly size and decorations preclude them from the general and ordinary class of readers. By the copious details they embrace, in every branch of astronomical and nautical science, of gcography, metcorology, and other physical researches- the charts and prints by whicia they are illustrated-they are made highly valuable to the man of science and taste, and well adapted for public librarics, or those generally found in the mansions of the wealthy ; but they are not exactly suited for general circulation.

It was pretty much on the same grounds that, some years ago, when the renewal of the search for a Northwest Passage was set on foot, I was induced to bring out a small volume descriptive of the discoveries and exploits of our old " maxine worthics" in the Aretic regions, commencing in the days of the Cabotas: the originals of which being confined, in like manner, to the huge folios of the old chroniclers, were very litthe known to the public at large. The object which I then had in view was to show briefly what had been accomplished by the former race of British naval oflicers and their hardy seamen, and, at the same time, to make their deeds more familiarly known to the existing race about to be employed on similar pursuits, and in the same regions of the globe.

A like view of setting forth to public notice the arduous services of our recent Aretic voyagers by sea and land-of endeavoring to appreciate their several characters and conduct, so uniformly displayed in their unflinching perseverance in difficulties of no ordinary descrip-tion-their patient endurance of extreme suffering, borne without murmuring, and with an equanimity and fortitude of mind under the most appalling distress, rarely if ever equalled, and such as could only be supported by a superior legree of moral enurage and resignation to the
ads that, e search t, I was criptive d" ma-ommenriginals , to the cry litobject briefly r race y seadecds race and in

Divine will-of displaying virtues like these of no ordinary cast, and such as will not fail to excite the sympathy and challenge the admiration of every right-seling reader-has been the pleasing yet anxious object of the resent volume.

Officers such as are herein mentioned are sure to create corresponding good scamen--by the establishment of regular discipline and good or-der-by judicious employment to prevent idleness and discontent-by allowing amusement and mirthful hilarity to divert the mind from despondency-and, above all, by attention to their wants and to their comforts-these are the means to inspire confidence and obtain obedience; and seamen so commanded and treated will never receive, because they will never require, any kind of corporal punishment.

The perilous incidents and adventures to which many, both officers and men, were necessarily exposed-the hopes and fears by which they were alternately excited--are so well and forcibly deseribed in the several Journals of the former, that I have endeavored to preserve, as far as it could be done, their own respective statements in thicir own words, singly, or interwoven into the text of the present narrative.

The physical power of the navy of England has long been duly appreciated at home, also
by most foreign nations, and is matter of public record; its moral influence, though less the object of publicity, requires only to be more extensively known to lo equally felt and esteemed ; and nothing can be more conducive to this end than the results to be derived from voyages of discovery such as those under consideration, whose great aim has been the acquisition of knowledge, not for England alone, but for the general benefit of mankind.

It may be noticed that the present epitome is meant to convey the substance of six or seven large quarto volumes, with two or three smaller ones, containing together from three to four thousand pages, exclusive of four or five other volumes, consisting entirely of subjects in natural history, which on the present occasion do not fall within my province.

I can not but feel it a most gratifying reflection that, in so great a number of persons who have been employed and passed several winters in one of the most cold, dark, and desolate regions of the globe, so few lives, in some of the ships none, have been lost. It is equally gratifying to have the opportunity of recording, which I have not omitted to do, that most of those who survived the trial have received advancement in their professional career, or some distinction of honor, in reward of their services ;
and that there are few of those in the inferior ramks who have not improved their condition in life, in consequence of their good conduct on very trying occasions.
I have used the liberty of making a few brief occasional remarks on some of the voyages, which I am sure the gallant conductors of them will take in good part, knowing, as they well do, the great interest I have felt in their success, from their commencement down to the existing expedition under the command of the gallant veteran, Sir John Franklin, whom, with his brave officers and mon, may God preserve.*

- The two ships, "The Erebus" and "Terror," are the same that were employed, under the command of Sir James Clark Ross, on the Antarctic expedition, and the latter is the samo ship that earried Bark on the ice: on the present oceasion they are commanded, ofticered, and manned as under :

> Sir John lranklin, C'iptain. James Fitajames, Commander. (iraham fione,
> Hrn.'T'I. I. V'escontr, $\}$ Lien-
> Jas. Wim, Fairholme, $\}$ tenants. (harless b. De's Vanx, ) Holvert O. Sargent, $\}$ Mates. F. Courh,
> II. li. Colling, Scoond Master. stephens.stanley, suramon. H. D. (ieonlsir, Assistant zurgeon. James Read, lec Master. 12 Warram and Petty Othicers. 58 seanen and Marines. 70 Total.

Terror.
Pichard Croziel, Captain. ril. Little, $\left.\begin{array}{l}\text { Gio. M. Horlgson. } \\ \text { John Lrvins, }\end{array}\right\}$ Lieut'mants. Fredrrie Hornlys, Robort Thomats, $\}$ Mates. Thomas Bhanky, lee Master. (i, A. Maelom, Serom Master. Johns SPoldic, sureson. Alex, $M \cdot$ Donald, Assist. sureson. J. II. Helpman, Clork in Charge. II Warrant and Petty onlicers. af Semmen and Marines. $\frac{68}{6}$ Total.

In recording the names of the above-mentioned officers, those of Captain Sir John Frmalin and Captain Crozier require nothing farther to be said: that of Commander Fitzjomes has been dis. tinguished in the Euphrates, on the coast of syria, ant in Clima; nand by his zeal and alacrity, his good humor and ever cheerful
disposition, he has made himself a universal favorite in the navy; and I am most happy to add that, in his absence, the Board of Almiralty have promoted him to the rank of Captain. Licutenant Grahan Gore served in the last fearful voyage of the Terror; and Lieutenant Fairholme was in tho Niger expedition-excelleat oflicers, both.

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dhese detached masses were of an mosuat migmtule mind extent, amometing in seme instances to whele ishands of iece, of such vast dimensions that ships were imperded hy themfor many daysin their voyages ; others weredetnelied icrobergs, from a handred to a hamdred mod thirty feret ahewe the surfince of the water, and saveral miles in circomberence. Tho Halifix packet reported that :ha had passed a momain of ico nemrly two hmolred feed high, mad at lenst two miles in circomference. A ship, belonging to the Old Greenkad Missions, was devon days bescet on the eoast of Labralor in thes of ice mised with icehoress, many of which had hago rocks "pon them, gravel, soil, and pieces of wood: in short, every accomet from variouns parts of North America hgreed in stating that larger and more momorons dieds and herge of iee had heon seen it greater distances from their usmal places, in thes years nbow mentioned, than had nt my time before been witnessed by the oldest mavigutors. The fact, therefore, might be considered is too well anthenticated to admit of a doubt.

It was at once concladed from whence the grenter part of these immonse quantities of ice were derived. In a letter from Mr. Scoresby tho younger, in intelligont mavigator of the Greenland seas, to Sir doseph Bamks, he says, "I observed on my hast voyage ( $1 \times 17$ ) ahout two thousand spuare lengues (cighteen thousand square miles) of the surface of the (ireentand seas, ineladed betwern the parallels $74^{2}$ and $80^{\circ}$, perfectly void of ice, all of which had disippeared within the hat two yans." And he farther states, that, ulthough, on former voyages, ho had very rarely been able to penetrate tho iece, between the latitudes of $76^{\circ}$ and $80^{\circ}$, so fiar to the west as the meridian of (ireenwich, on his last voyuge he twice reached the longitude of $100^{3}$ west ; that in the parallel of $74^{\circ}$ he approached the coast of Old Greenlamd; that there was little ice near the hand; and ho alded, "that there cond be no doubt that he might have reached the shore had he but a justitiable motive for mavigating in unknown sea at so late a sonson of the year." 'This account was fully confirmed hy intelligence feceived at Copenhagen from lceland in the yoar 1816, that the ice had broken loose from the opposite coast of

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"ratro rivel. intcollioscph (1817) Insamd is, iny roid t two H1mer r) tha o the

## yuge

 n the cen110 iight otivo the -nes 216Gieendand, and foated awny to the sonthwirl, nfter surrombling the shores of Jechand, und filling all the bays and creeks of thut islaml; and that this afflicting visitation was reperted in 1817 -circumstances hitherto unknown (0) thi oldest inhabitant.

Whont tho samo time, the whale ships that frequented the fishery in Davis's Straits, and the Indson's Buy trudars, experienced an unusual number ot icoberiss and large flors of ice driting to the sonthward down the struits and along tho coast of Labrador, and past Newfinmalland; yet us to a cortain rextent those masses of ice worg of trequent occurrence in thess quarters, fun oncasionally met with in the Athmtic, it was those from the enstwad that attracted particular notice.

Whatever the canse may have beren for the disruption of this immense hmmer of ice from the eastern coast of Greonland, whether hy its own weight atter centaries of accumalation, or trom the purtial dismution of tias eobst itsclf, the finct is unquestiomble: and the notorio-ty of it given in tho sevarul jommals of linoope, and more especially in thoso of Enghand, comoborated by varions private commonications, was among the circmustumers which, combined with others, gave rise to the revival of those voyages of discovory for attempting a phssage ronnd the northern coast of America to the Pacilie Ocran, and also to anothor attempt to reach tho North l'ole, by jroceeding between tho east coast ol Greabland, now freed fiom ice, and tho west coast of Spitzbergen, geverally not mach hampored with ica. A naval otlicer, the marrator of one of the very first of the modern expeditions, which the change in the ice of the northern seas mainly occasioned, opens his account of it as follows.
" It most opportumely occurred, in the yeire 1817, that nccomnts of a clange in the lobar ice particularly favornble to the undertaking were brought to England by our whale ships; and as it has generally happened in this comatry that somo individual, more samgine thm the rest of the commmaty, has, by his superior knowledge greater exrertoms, or mote constant persevemanee, succedod in bringing aprojeet to bear, which, in less vigorous or pertinacions hands, would have been suffered to dio away, this fivomable ehange was tumed (1) so goon an aceount by an intlumtial nember of the govrrmment, and whose name is inseparable from northera dis-
covery, that, in the following yomr, his Majesty George IV., then Prince Regent, was pleased to command that attempts should be made to reach the lacific, both by the western route throngh Baflin's Bay, and by a northern course across the I'ole."*

It would be ridiculously squeamish to aflect ignornnco to whon the compliment in the above pasiage is meant to apply, and the more so as, on the whole, it is true. I an fully prepared to admit that part which relates to tha: "sanguine individual" who succeeded by "exertions" and "perseveranes" in bringing tho project to bear-a project which, like most others that are new and not well understood, cond not, and therefore did not, fail to bring with it consorions remanks, and ill-natt ied but ifnomat eriticisms from one party, with a modicum of prais" and approbation from another-as usual, laudatur ab his, culpatur ab illis. Previonsly, honvever, to originating any proposals for the voyages herein treated of, mo pains were spared in collocting whatever information cond be gathered from the expeditions of our ohd tavelers, the traders in the service of the Hudson's Buy and the Northwest Companies, from scattored remarks of whale tishers and casmal tmoders, such as Hearnes and Mackenzio: and the jnformation thus gained was nubmitted to the public at the time the first of the recent expeditions was in progress. $\dagger$

I did not, howerar, stand ahone, having had the good fortune to meet with evary encouragemont from an ablo coadjumar, one ever rady to hold out a helping hand when the promotion of seience and general knowledge was the object. This patron was Sir doseph Banks. Brione, therefore, I submitted any proposal to Lard Medrille, which 1 knew wouhl be referred to the President and Council of the Royal Society, as ati voyages of discovery connected with science were, I thought it right to tuke the president's opinion as to the effect of the chmeses reported to have oecurred in the northern regions, in which I was aware he took a purticular interrest, having himself, in anly life, visited leceland and climbed to the top of Mount Hecha; and as ho hnew

[^0]orge IV., attempts : western rse across
ghorance is memit it is true. relates to y "exerroject to new and , did not, ill-mat red modi, min tal, lauduwever, to sin treated $r$ informuof our old Ason's Buy d remunts as Hearine tained was the recent
d the good Com an able lping hand hiow wledg: ph Banks. (i) to Lord the Presivogages of thought it 0 effiect of (1) notherm cular int ercelined :nud sho knew
thum i had also, in early life, paid a visit to the Spitaberwoll sens, as high as Hakluyt's Headhm, near the goth parallel. I was sure of enguging his attention on the sulbjert, and was not dismpuointed. He contirely approved of the renewal of attempts to accomplish a grand ohject which for three centuries had, at different times, orenpind the attention of our sovereigns, philosophers, men of wience, and merchants; mal ho promised to look over and give me nuy infomation that his own correspondeneo might firnish: "I may be able," he suid, "10 mime thase from whom you may recrive, and bows from which you may derive the information you are in quest of, but for science 1 must relier you to my comeril."*

Accordingly, I submitted a plan to Lord Mclville, then First Lord of the Admiraty, a mobleman at all times realy to athend to ay suggestion that had for its object tho improvement of science or the interests of navigation amb commerce. It was sent, as usual, to the President and Conncil of the Roynl society, returned with their approvil, and submitted to Lord Liverpool, then Prime Minister, for his sanction; and this heing obtained, orlars were forthwith issued by the Board of Admiralty fior the preparation of four ships to be appropriated to hae service in question-two for the seach of a passage from the Athantic to the Pacific, and two to proceed from the sea of Spitzbergen toward the North Pole.
It may be observed, that none of our old mavigators were uble to penetrate any part of the Polar Sea: all their discoveries were confined to the straits. and inlets, and islands on the eastern coast of A merica, and the large struits of Davis and Baffin on the western const of (iremand. Had Baftin entered Lancaster Sound from his own strait, he would at once have discovered the sea which communicates with the Pacific, and then there is no saying what this able old mavigator and his contemporaries might not have effected. Indeed, at the commencement of the late Aretic voyages, nothing was known

[^1]B 2
of my entrance infor the Polar Sea from this side of America. All that was known on tho first attempt, which hardly deserves tho hame, was, that a lohar sia did exist, that the ships of C'mpain Cook had hooked at it through Behringes Strail, and that Hearne and Machenzie, fwo North American travelers, had arrived ut the northern shore of North America, at difterent puints and at dificrent times, mud reported, somewhat doubting, that they had seen the sea.

From these ritemmstances, mad, more particularly, from tho undoubted mothorities I had sucereded in colFecting, it was guite clenr that a comernt was constantly fomed setting down lavis's stmit, and the strait of Ithison's Bay, and abso along the shore of spitzhergen, all to the sionthward: no dombt, therelore, could remain on my mind, that there most be a water communication betwen the sars of the lacific and the northern A thatic ; that the water supplied through the Stait of Behring (a well-established fact) into the Polar Sen was discharged, by some opening or ohter yet to be discovered, into the Atlantic. 'Thon Edinhmgh Reviow," however, tmmed inforidicule the idea of a Polar Basin: and others endeavored to show that, it these currents existed, they must be very tomporary or occasional, as they would otherwise drain this Pome Busin of its water.

It may be worth the while, now that the shores of this Polar Sea have bern visited and surveyed, one part of them by our own mavigators, and the Asintice part by the indefatigathle Buron Wrangel mod others, to show to these would-be-wise gentlomen what that sea really is-what mo its inpourings, its outponrings, mad its dimensions. In the irst phee, it is mimmense basin of water, inchded hy the shores of A sia, of Europer, and of Amevica. Of Asia, from Nova Zambla, in $50^{\circ}$ E. longe., to East Cupe in Behring's Strat, in $179^{\circ} \mathrm{W}$. longer.; that is, $140^{\circ}$ extent of const. In Europe, from Nova Kembla, in $50^{\circ}$ E... to Baffin's Bay, ubont $70^{\circ}$ W., an extent of const equal to $120^{\circ}$; mad in America, from the last point, $70^{\circ} \mathrm{W} .$, to Cape Prince of Wales, $168^{\circ} \mathrm{W}$., in Behring's Strait, un extent of const equal to $100^{\circ}$. These, including the opening of Behring's Strait and that between (ireenland und Spitzbergen, comprise the
is side of attempt, Polar sina looked ut and Macarrived at rat points doubting,
riculurly, led in colcomstantly it of 1 Indbergen, all remmin on ication lee1 Athuntic ; Behring (a lischarged, ol, into the er, thrned others enisted, thry hey would
shores of 1, om part tic part hy s, to show sea really and its tie basin of pros, and of E. long"., W. long ${ }^{\text {e }}$; rom Nova $0^{\circ}$ W., an , from the $168^{\circ} \mathrm{W} .$, l to $100^{\circ}$. Strait and nurise the
whole cirele of $360^{\circ}$, an rextent of eonst which no other Wetached wa in the world ean boan of. It is a circle of two thonsmel four handrod gengraphical milos in timmcter, und seven thomsand two humdred miles in circomference, comsidering the latitude of 70 to be the arerage bumdary line, which it menty is, by taking the inlets of the land to balame the omflets of the seat. And, in order to sutisfy the malcoments regarding the currents. exhambing its wators, it may, perhaps, be sulticient to state what are its supplies. 'Ther consist of the comstant intlux of a strean throngh Behring's Stmat, of tive or sis great rivers trom Asia-the Ohi, the Jenisdi, the Lana, the ludigitha, und the Kolima. Europe supplies the waters of the Dwina, with mmmerons streame fiom the roasts of Nownay and Lapland, and the eastemen coasts
 America pours in several copions streams from the Rocky Mommins, with the Mackenzir, the Iharne, or the Copper Mine, the Back, and several other minor streams. 'To lalk, therefore, ol' its being exhansted by the sombernly carrents uppears to be absolute nonsense.

The main object intended to be atamed hy the tirst of tho recent expeditions was to diseover an entry firom the cestern side of Ameriea into the Polar Som. Bat it was not dome by the first, as it onght to have been dome; and, as the secomd most readily accomplished it, and, moneover, navigated one half of that sea to the west wad, why, then, it may be asked, have fintwe attempts fiiled to havigate the other half? 'The answer is easy enotighthey failed hy deserting the direct path, that gave them half the passage towand behring's Strat, and mied vat rious now ways in search of oprenings into the Polar Sea, and formd but one other on the whole enstern coast of America, and that one not navigate. The old route of Parry through Lancaster Sound and Barrow's Strait, us fir as to the last la:nd on its southem shore, and thence, in a direct line, to Behring's Strait, is the route ordered to he pursued hy Franklin.

But it may also bo asked, as it has beenasked by some of that class known hy the name of Utilitarians, cui bono, are these northern voyages undertaken! If they were merely to bo prosecuted for the suke of making a passist
from England to China, and for no other purpose, their utility might failly be questioned. But when the nequisition of knowledge is the gromodwork of all the instructions under which they me sent forth: when the commanding officer is directed to canse constant observations to be made for the advancement of every branch of sci-ence-astronomy, mavigation, hydrography, meteorology, including electricity and magnetism, and to make collections of subjects in natmal history-in short, to lose no opportunity of nequiring new and important information and discovery; mol when it is considered that these voyages give employment to officers und men in time nf peace, and prodnce officers und men not to be smrpissed, perhaps not equalled, in any other branch of the service, the question cui bono is easily maswered in the vords of the minister of Queen Elizabeth, "Knowledge is Power," the truth of which was practically demonstrated to the grumblers of that day by the following results.

Sir Humphrey Gilbert, in consequence of his grant of the lstiand of Newfoundland, made a voyige thither, on his return from which he nobly perished; but his knowledge did not perish with him: it laid the foundation of that valuable cod-fishery which still exists. Davis, by the discovery of the strait that bears his name, opened the way to the whale-fishery, which still contimes to for rish : and Frobisher peinted ou the struit which conducaed Hudson to the bay that bears his name, and which gave rise to the establishment of a company of merchants, whose concerus are of such an extensive nature as to be carried on across the whole continent of America, and to the very shores of the Polar Sea; und ulready, in our time, the opening of Lancuster Sound by Parry has extended the whale-fishery into that sound.

But the knowledge that has resulted from these later voynges is not less vuluable, less durable, or more evanescent, nor can it be too highly apprecinted. Let any one cast un eye only over the best charts of the northern regions, previous to the recent Arctic expeditions, and compare them with what they now are. Let him inquire what was then known or described of that lolar sea, or indeed of the whole northern shore of the
se, their re acqui-instruche collervations of of sci-eteorolomake colt, to lose informilnat theso in time o be surch of the ed in the 10 whedg demonowing re-
; grant of wither, on is knowldation of Davis, by P, opered timues to hich connd which of mere nature of Amerand alfound by sound. ese later re evanLet any e northeditions, Let him that Poe of the

American continent, and the answer will be, a blank; which, however, he will now find filled up. Let him nisk what was the value or mount of the geographical and physical knowledge then possessed of the regioms of the globe within the Arctic circle, and the reply would be, litto or nothing; whereas the objects of Nature which the late voyages have furmished to the British Museum and other depositories are mmerous mod novel. Let any one turn over that extraorlinary collection of engravings and deseriptions of suhjects in every department of natural history, filling up no less than four large quarto volumes, whose gencrul titles ure as under:

1. The Fuuna Boreali-Americana.-Quadrupeds;
2. The Fauna Borenli-Americana-Birls;
3. The Fauna Boreali-Americana,-Fishes;
4. The Fauna Boreali-Americana--Iusects;
containing from three to five hundred pages each, and ull brouglit forward by, and under the superintendence of. Dr. Richardson, the fellow-traveler of Sir John Frankin, and the man to whose energy, cournge, and skill Sir John has declared that he and the whole party owe their satety and their lives. Let these accessions to general knowledge have only their dae weight, and they will then be duly appreciated.

The value of the scientific observations and discoveries made in these Aretic voyages, independent of all national and selfish considerations, is duly appreciated on the contincnt of Europe and in America. It is, perhaps, not generally known that the late voyage toward the South Pole, muder the command of Captain (now Sir James) Ross, had no other object but the advancement of science and general information regarding the Antarctic regions of the globe ; and that among the first subjects to be attended to was that of making a series of observations on terrestrial magnetism, a subject which has of late years assumed so important a character, by its influence on the globe, that the government of Great Britain, ever ready to take the lead in matters comnected with science, has been induced to establish magnetic observatories in several of its colonies, distant from each other ; and, by influence and example, has prevailed on other powers to do the same, the ohject being to conduct
simmetameons ohservations, at eiven stated times, in ull of them. 'Those of (iroat Brithan are sent to Liontemantcolomel sabine, who has bimilly malomaken to reduce
 derided on, ('aloned sabine was asked whedher mingereio observations made ont the Polar sian, mad registored in the same manner as in the eommial observatories, wombl not be of service! His reply was, "Than he has mo hesitation in saying that the attempt to make the northwest. pussuge would render the most important service that now remains to be prefarmed towand the completion of the magnedir surver of tho globe." I shath only adthere that the Presideat mod Commeil of the Royal Komety. Sir Edwand Pmry, and (aptain Bemufort strongly approwe of the existing, and perhaps the last, metempt to matre the passage through the Polar Soa into the Pacitie. But what siys Sir Joha Horschol, when speaking of the atmospherie pressure in cold elimates! "This, with the magnetic smrery of the Aretic seas, mul the not improbable solation of the great geographical problem which forms the chicf ohjeret of the expedition, will furmish a suthement answer to those, if any there bo, whoregard sublo voyges as usoless. Lat us hope mud pray that it may phase Providence to shield him (Franklin) and his brave companions from the many dangers of their onterprise, and restore them in health and honor to their comitry."

To those who are disposed to doubt the expediences, "if any there be." of the present voyage under sir Jolm Framkin, I shall state one mditional motive for having adopted it, which is this: that to have amadoned any farther attempt to fultill an objeet which has never ceased to occoply the attention of the British govermment since the days of our Elizabeth, and more especially, at this particnlar time, to have left it to be completed by a foreign masy, after the doors of the two extremities of the passage had been thrown open by the ships of our own, voould have been little short of an act of national suicide; in, to say the least of it, an egregions piece of national folly. In prersonal courage the British mary has long held

[^2], in inll of , rerluco itien was - mangoriot rgisterod יs, womld s no hors orthwest. vire that. lation of udd hero somiry, trimpt 16 the P:on spronk? "This, wh the not prohlem , will fur, whoremad pray Frankliii) s of their honor to edieney, Sir Iolin or having med my rcensed cut since , at this by a fores of the our own, suicide; mutional long hold
n fromd pre-eminenco in time of war, mul mabers of
 times of praco. lin moral comage and mental fortitule. It wombl, theremer, have herom min mpatemathe omission
 hatre intertered with the employment af a comple of shall barks lin the ntaimment of all whect of such inpirtiner.

Lat those. then, who may he disposed to guarel with the existing expertition on the semo of expense, he assured that, in fulting it lioth, it was mot overlooked that, at the monnem, there were fwo forrign fleets in the Pat ritice, beronging to the only two naval powers likely to angere in the raterprise moler consideration, and to eiHere af whom it womld aflimed a moral trimuph to acromplish what we had begun hat shomk fiom completing. This is mo mhimera. The shortest passuge for any of the homeward-bomd ships of these two powers now in the Parilie is throngh the Polar Sen.
franklin is now on his voynge, and whether he suecoeds in making good the passage or mot, nothing, I am most eatain, will he wanting on his part, or on that of his gallant comrules, to accomplish all that homan means and hmman intellect can command. In the sentiments with which this brave, veteran seaman closes the naraliar of his secoml l'olar veynge I most cordinlly concur. as I am inelined to think most of those who read it will likewise do:
" Aretic disenery has beon fostered principally by Great Britain: and it is a sulje.0. of just pride that it has been prosornted hey her from motises as disinterested as they are enlishtemed; not from any prosure al immediate benofit to heresti. hint from a standy view to the acpuirement of useful kimwhedge, and the extension of the bounds of surence. Bach sumerding attempt has ahded a step toward the completien of northem sedraphy; and the contributions to natmal history and science have excited a gencmal intorest thrmenont the civilized work. It is, morrover, pleaning to wethet that the loss of life whidh has ocemond in the prosecotion of these disesperies does not exced the average numher of deathe in the same jopmation at home under cireumatances the most fivomble. And it is sincerely to be hoped that Griat Britain will not relax her efforts until the greation of
a northwest passage has been satisfactorily set at rest, or, at lenst, until those portionss of the morthern shores of America which are yet unknown be laid down in our mups, and which, with the exception of a small space on the Asiatie continent eastward of Nhelatskoi Noss, are the only intervals wanting to complete the outline of Europe, Asia, and Ameri-ca."-l'. 319 .

And I can not but feel a proud gratification, which I an sure is shared by every true Englishman of whatever rank in society, in the perusal of the following honest and manly sentiments with which Captain Sir Edward Parry closes the narrative of his third voyage into the Arctic seas:
" Happy as I should have considered myself in solving this interesting question, instead of still leaving it a mutter of specnlation and conjecture; happy shall I also be if my labors of mine, in the humble, though it would seem necessary office of pioneer, should ultimately contribute to the success of some moro fortunate individual; but most happy should I again be to be selected as that individual. Maty it still fall to England's lot to accomplish this undertaking ; and may sho ever continue to take the lead in enterprises intended to contribute to the advancement of science, and to promote, with her own, the welfare of mankind at large! Sueh enterprises, so disinterested as well as useful in their object, do honor to the country which undertakes them, even when they fail: they can not but excite the admiration and respect of every liberal and cultivated mind; and the page of future history will undoubtedly record them as every way worthy of a powerful, a virthous, and an enlightened nation."-P. 186.
t rest, or, at of America mapis, and the Asiatic dy intervals and Ameri-
n, which 1 of whateving honest r Edward e into tho
solving this matter of if uny laa necessary ho success y should I it still fall id may sho led to connote, with nterprises, o honor to they fail: t of every re history orthy of a -P. 186.

CHAPTER II. COMMANDER JOHN ROSS.
1818.

A Voynge of Discovery in his Majesty's ships Tsabella and Alexander for the purpose of exploring Baffin's Bay, and inquiring into the probability of a Northwest Passage. By John Ross, K.S., Commander.
Tue tryo ships appropriated to this service were the Isabella, $38:$ tons, and the Alexander, 252 tons, commanded, officered, and manned as under:

## Isabflela.

John Ross, Commander, commanding the Expedition.
William Robertson, Lieutenant.
William Thom, Purser.
John Eidwards, surgeon.
C. J. Beverley, Assist. Aurgeon.
J. M. Skene, Adm. Midshipman.
J. C. Ross,
J. Bushnan, Mo. Midshipman and Clerk.
Benj. Lewis, Master and Greenland Pilot.
Thos. Wilcox, Mate and Greenland Hilot.
$\overline{10}$ Officers.
3 Carpenter, Sailmaker, Cook.
4 Leading Men.
31 Able Seamen.
6 Marines.
$\overline{54}$ Whole complement.
Supernumeraries.
1 Captain Sabine, Royal Artillery.
1 sergeant. do.
1 Esquimaux, Saceicous, or Sackhouse.
$\overline{57}$ Total on board.

Alexander.
W. E. Parry, Lieutenant com. manding.
II. P. Hoppmer, Ijeutenant.
W. H. Hooper, Purser.

Alexander Fisher, Assistant Sur. geon.
Ph. Bisson, Adm. Midshipman. John Nias, do. do. John Alisison, Greenland Master. Joseph Phillips, do. Mate. James Iulse, Clerk.
$\overline{9}$ Officers.
3 Carpenter, Cook, Sailmaker.
3 Leading Men.
17 Able Seamen.
5 Marines.
$\overline{37}$ Whole complement.

When looking out for proper persons to command the intended expedition, Sir George Hope, who had been flag-captain to Sir James Saumarez, and then a Lord of the Admiralty, recommended Commarder Ross as an active and zealous officer, and well practised in the ordini(
ry duties of the semman's profession. The ordmary duties of a good staman ure well known; that her com hamd, reri, sterer, mut heave the lead, keep the dead rechoning, and take and worl an ohservation for the latitule ; how mand heyond this Sir (irooge does mot nyperar to lave pledged himself. Indeed, Ross states somewhat modastly, in his introluction, "My maticul educution has tanght me to aet, and not to question; to obry orders as far as possible, not to diseuss probabilities, or examino philosophical or mphilosophical speculations. I havo here attompted nothing beyond the jourmal of a seaman ; if I had done more, I might have done worse."

Now something beyond the gemored character given by Sir George Hope was required from an officer who ventured to accept the command of an expedition for the purposes of enlarging the wide fied of seience and discovery, and moreover for that of a peculiar discovery; one that had bafled the skill of the most able and persevering navigators for a period at intervals of more than three hundred years. It has been truly observed, that "this is a servico for which all officers, however brave and intelligent they may be, are not equally qualified; it requires a peculimr tact, an inquisitive and persevering pursuit after details of fact, not always interesting, a contompt of danger, and an enthusiasm not to be damped by ordina. y difficulties."

In fact, Commander Ross's services, previous to this voyage, were only adapted-as Sir Ceorge Hope, and, inderd, ho himself has stated them-to qualify for tho ordinary duties of a good seaman; lont least of all, as will be seen, for conducting a voyage of discovery. "In the yem 1786, " he says, "I entered the roval navy ; continued in it for four yours; was in the merchant service till 1794; in the East India Company's service till 1799 ; then returned to the navy; acting lieutenant of the Weasel, of the Clyde, de. Went with Lord de Saumarez as midshipman, often acting lieutenant, but ranked only as midshipman; confirmed as lieutenant in 1805 ; served as first lientenant in three different ships; promoted commmader in 1812 , and commanded three different ships."* He might have

[^3]dmary du"can humd, reckoming, tinle; how ar to have what mondchtion lus o orders as ox exmine I have u seaman; cter given fficer who ion for the oand disdiscovery ; ud persemores than red, that wer brave ralified ; it ersevering resting, a e damped

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 ope, and, y for the of all, as iscovery. he royal the mermpany’s ; acting Went n acting onfirmed in three 12:, and the haveof com.
added, never served out of the Baltie mid the White


Now it miy brodly be stated that Commander Rose. hy his own showing, did not at all answer the description of an officer fitted for the present service: and his aets and his hook prove it. His putron who recommululed him whs himself a thorongh-bred saman, an homest, straight-forward, and downright offierer, and sineremb helieved, no doult, that the person he mamed was an active and zealens officer "in the ordinary duties of his profescion:" but there is rason to believe that, in alibring him the command of a 'orage of Discovery,

- the had not given due consideration to the qualifications that surch a command reguired.

Laferenaxt Paney, who commanded the Alexander, served several years on the const of North Anerica, whre he was distinguished as an excellent mavigator, theoretical as well us practical. He drew up a littlo treatise, especially for the nse of the young officers of the fleet, on matical astrenomy, containing directions for finding the principal fixed stars visithe in the northern hemisphere. A copy of this, with the necessary drawiuss, being sent to his father, Dr. Parry, of Buth, he had it printed. While enployed in America, led by a spirit of enterprise, ho volunteered fur, and was appointell to, the Congo expedition mider C'mptain 'Tuckey, but fortmuntely could not join in time. Sitill, however, his attention was drawn toward African discovery, and about the clase of 1817 he wrote to a friend, detailing his views on the sulject ; and just as he had finished his letter, a paragraph in a newspaper, alluding to the attempt about to be made for the discovery of a northwest pasage, caught his eye, and he ndded a postscript, referring to this, and sail "he was ready for hot or for cold"-Africa or the Polar regions. His friend took this letter to the Secretary of the Admiraty, $\dagger$ which Parry says he had reason to believe was the immediate cause

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 cremonites to a ball, will thase al ant active fishor of seals

'Ihis intelliment und mminhle Esquimmos, Juck Succheous (or Suckhomse), affords astrong example of what a littor kinduess mad uthention will efleret on lommm heings, even in tho lowest senle of existence. (of the history of this young man there will be occusion to sponk hereatior.

On the fittiner out of tho prescont experdition, ('iptnin Busil llall, fimling that Sacrobouns hud a wish io join it, made his desire known ut the domirnlty, mad he was acoordingly uppointed interpreter, in wive caparity ho prowed excerdingy usotul in the very limited opportunity that occurred at holding muy commomication with his mative combtrym: Among the mirthfal group befure mentiomed, Ross lells us:
" A danghter at the banish resident, about eighteen years of ace and by fir the best looking of the oroup, was the object of Jances partionlar attentions; which being observed hy one of our ollicersa, he gave him a lady's shawl, ommented with spangles, as an oflering for her aceoptance. He presentod it in a most respereffind and mot meracefinl mamer to tho damsel, who bastifnlly took a pewter ring from her finger and presented it to hinn in retum ; rewarding him, at the same time, with an elaquent smile, which comld leave mo prossible dombt on onr liseniminx's mind that he hat made an impression on her heart."-1'. 56.

After some delay the wind changed, and the ice began to sepmate, leaving an opening along the const ; but Jack, who had gone on shore with his comitrymen, had not returned. A hoat was therefore sent to bring him off: but the poor fellow was foumd in one of the huts with his collar-bome broken, having, umder the iden, as expressed by himself, of "e plenty pooder, plenty kill," overlonded his gun, and the violnee of the recoil had cansed the nceident.

Iu proceeding northernly, he expedition came up with
nw, but Nish s in a matumer Nitsh himaself wordant quadand miantar of fisluer of seals
x, Juch Sacexample oi ct on hamm ice. Ol the sion to speak tion, C'aptain sh to join it, mad he was capacity he red oppirtadication with il group be-
ighteen yoms , was the of); observed by ommmented He presentanner to the a hor finger 1, at the sime ? ao posible e an impres-
the ice heconst ; but yomen, hud bring him of the huts he idea, ns lenty hill," recoil had
seveme grompsof whaters that hat passed through the thers of icre, in one of which it was ulso shortly attere besit, in hutude $7 . \mathrm{s}^{\circ}$ 3.5', "the Dexterity whaler now alone combining in sight." Yet, in the same page, Ross says, " We me now urived at a point between which aud (rupe Dudley Digges land had not been seen by former havigators ;" as if whale-fishers wero excluded from the class of navigators. He then goes on to shy, that "belween batitnde $75^{\circ} 12^{\prime}$ and $76^{\circ}$ tho shore formed a cupacions bay, in the midst of which rose a remarkable spiral rock; this I nmmed Melville's Mommont, in gratefial remembrance of the late viscoment, from whom I rereived my first commission. 'To the hay itself' I gave the name of Melsille's Bay, from respect to the present First Lard of the Admimaty. It is sitmuted between $7 . \mathrm{P}^{3} 12^{\prime}$ mad $76^{\circ}$, und abounds with whates, many of which were laken ly the ships that were persevering enongh to follow us."

And no doubt mmbers of whalers, for ages before this, had persevered in their search of whules far heyond the latitude of $76^{\circ}$; but the expedition being one, for the purpose of discovery, something new, it would secom, was to be struck ont at this eanly period, while on the Greenland side of Baffin's Bay-a coast which eould aftord nothing connected with the Polur Soin or with the northwest passage. In point of fact, Ross, on the ontset of the voyage, even in the title-page, misstates (he could not mistake) the object of his instructions. He says the voyage was made ${ }^{\text {b for the purpose }}$ of exploring Baffin's Bay." Now there is not a word in the instructions ahout exploring Baffin's Bay ; he was to stand well to the northward before crossing over to the westward, but not to stop on oither coast : "the first und most important object of this voyage is to be the discovery of a passage through Datis's straits, along the northern const of Amemen." (On the western const there could be no passuge inte the Polar Sea, nor toward the coast of America.

Opportunely, however, in event occurred which afforded him an occasion, if not an excuse, for delay. On the 10th of Angust eight sledges, drawn by utive Esfumanas, were observed adrancing toward the placo
where the whips were at incher, mal sacheoms was disputched with 14 white theg mal somberenents to loold a parley with them, they boing placed at ome sule of a camal or chasm in the ine and he on the other side. Aler lond shouts, words, mad gestmes, Succheons soon perceived that their languge was the same as his, but al a dithoront dinlect, mid, holding up his presents, he called out, "Come om;" hat the reply was, "No, no: go uway." And one of them, appronching the alge of the emmi, repented. " (io away; lam kill yon," holding up a knite. Suceheons threiv ower an Vinglish knife, saying. "'Thke that." 'This they pirked up, shonted, and puilled their noses. Sinecheons, in return, called ont Heigh-y/uk! pulling his nose with the smme gesture.
'This pulling of' noses, which is reprosented to bo their mode of a friemally sumation, is a trito matter of little moment, and wonld not be mentiomed here hat for the singulur cirromstmere, wheh has been told hy several of the ofticers, and in print, that they never saw nor hemed of it till it was mentioned by Commanter Ross, for the tirst time, at thethad, on their return home. It is scareely possible that such a foolish ceremony, if frequenty and solemuly repeated, conld have esemped the notice of all the oficers exeept that of the commander: yet thore must be something in it, for Back, in his Arctic: jomrory, mentions rubbing of noses as m Esquimanx salatation.

The following is somewhent curions, considering the momber and frequeney of whmers visiting this purt of the const, " ore no donthe much intercourse must have, taken place betweon them and the immoent matives: Ross says bey soon became more fimiliar, and, pointing to the ships, engerly asked, "What great croatures these were? Do they como from the sunor the moon? do they give us light by night or by day ?" repeating tho fuestion," What were they ?" to which Succheons replied. "They were houses made of wood." They responded "No: they are alive; we have seen them move their wings." More enlightened than theso Aretic Highlanders (for so Ross calls them) did the messengers of Montezima, on the arrival of the ships of Corter, in like manner eagerly inquire,

Is Whs dis[a loolil is deot acalo. Niter somb pers, bort of a lue cillend a, no: gn dego of tho molding initi, siymed, iniml called ont ostillo. a be their r of litilo it for thes soveral of nor herird is, for tho is scarcerequintly ho notico der: yot is Aretio: squilmux

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 puit of ust havo matives: d, pointrentures o moon! ating tho sols rehey rem move c Highgers of , in like"What divion monstere, oh ye gonla, are thesed, That that in atir. and tly wom ther mas!



 thell pollines himsilf hy the mose, sil uph thont, in which

 paser, follawod hy a whole rhapter of lwonty mome,











 $f^{\prime \prime}$ af, in some points, 10 bre defictior, bat will ber so profommerd in all: in point of firr, he mever sot his fool on shotre, and comld mot, by any posisibility, hame homon any thing w' the staft he has sut down, which is of that hiod of manmlacture mot worth har paper on which it is print-
 mar jomrial, who calls it "a lill of liare lihe that of the lamellord in tha phat-all tha gool thimes are staliad into the hill, while mothine is fomme in tha lincher".

Ross may cortainly phat oxamples withont momber, in the books of morern lamelors, whorein imagination has very matroially assisted in supply ing the dratals; hat sombething approaching to firt is reperoted in a voyate


 ol a physical ohyert (mot wew, howeror) fouml on tha clitts of this part of the coact of lanlin's bay, mot fiar from C'ipe Dulley Digeres. "W0 mow discoserrel,"

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 -home." sin might ('ommandor liose have dome, who


 this has ar inlot; al midneht of riten of vory hish
 of 1 . and joinime mother fiom the somth: oft the ? hth
 somme:" but still ho boat was solt on shome ont ally of


It has herom thomsht risht to motier the fortal wom of

 aillod them: *mid the more so, allom remdine the follow-
 dhethon. Which ean only ham beren permed fiom want af Lowwledge of the sulyad: " la rodiseowning Bations
 mondotion that I hase phaed in a fiai light before tho public the merits af a worthy and ahlo mavisam, whose tatr. liha that of many ohtors, it has mot only berom 10



 somapher. mol the hay with which his mame is so fairly assuciatod troated as a phamom of the imagination."

Every person at all anguantod with vorares of disrowny homs that battin was mot moly a skilfull maviga-
 ahde an deduer the longitude from luman wherevations. Whomhor, as pilat onty to Robert byhothis hast vogage was bot axactle to his mimd, and was therefore mone vasuly amd mathisfatomily roromed than any of has

lor mames "lims is.
 - Wrowe
 iis ham1 dolle, who whin. " $10-$ Ile oull llo - botlon, al bey hish the hollomt III H1! ! ! Ant . 1 . all 11 ll y of
al wimt of 1 he lablin, ls, ins hir has tho lillowuss's latroIII willl of ing Balfin's , liom lla brlime llue ther, whose ly horon IIIIsthanors, 1- Hhe fillun - promed. to rexomis al billio is sin 1. imagina-
ges of disfill maviga$y$ as to be sicrumbions. last woyage - fore momer :IIIY al his anclur in.












 danor lat it remain.*
 of these sommls within linty, bify, or sivy males, mid





 Was just at the momth of the anly mmaninge mal by fiar the largest mal mosi momblable, as woll as, from its
 that hand beroll seron unt rither romst: his was what,








As his somod on bay has alfonded the memes af prelty

 his own areomith of it:


 Wha evir kuown and [ublishad of Batlin's diseoveries have been preserved.











































Nine 1 iflitill （＇｜11111＂1｜l｜l｜
 ：11tal N11111，la
 \｜l｜＇ 111
l：aflll nur．
 164 111141 ha月 HIselilf小 ！n ：land． ＂h limse，ly $f$ lo semi，i， llown II hor H1 low elo：口 1118111 ut 11. いい！f11 han．
 w whoh lir ！ $1 \mathrm{~m}\|\mathrm{l}\| \mathrm{a}$ ．
 －llar llily． 1 al dasios
 Hicor．whon lial． 111 lin＇9． I，alla：avior lha laflor． 1 al indinds． －llい W！口

 －＂I：pul il ly $\|_{1}$ is lloro ＂！－ 110 is stalul， ＂muml．Ih：at． ＂rn，llald
 ；＇reathro










































 （1）$!$
 1，．．．1，11，I ，I $111+1+1 \mid 1$ ．．． i） 11.1
1．1．1．，11 H11 ＂＇11 1．0．1．1．．． $111+1.11+\ldots$ ＂11＂19＂．｜Pla．． ll＋1．，1 1，1．，
ll，，．1．l｜，
 1 14wl．， 1 ＂． ． $1911111 \begin{array}{lll}1,1 \\ 1\end{array}$以 1.1 lı．．．．＂ Wloll ll 11．＂
$11 \cdot 1111+1$
1 t1，E1＋lllil

$1111!\cdot 11 \cdot 1$

111 11．1．11

 nlil lin！，！net

 linlou ，11 1．1 ，hoplownlil． ＂サll 11.0
 H111 H1．0 111 11．． $\operatorname{lig}_{1}$ ． ：11 ，l．：l， 111.1 1／1．1 1／141

$4{ }^{4} 1111+1$心 ごい11！！？ 11. W：II Wloll
＂If li，＂：11114 －l：1110いいい！ llll if ：lいいい













 ＋1．＋1．ll．．．l




































 arotions, in which month the nightis are homes amb, aceording 10 a fair calculation, not mone than two datse chatr wather
 priety be stathed that I had only eisht days whaming to ex-


 of the discontimity of the comthernt. and that to which my allemtom had bern partiondaty called. and where the inati-
 or. It is, perhaps, maneressary to add that, mulere hese cir-





 she seat and mo driti-woms, on wher indication of a pasater.
 comtinnity of ior, which pat the question at rest. That latid




 of my duty than the makine of matamical oheremations, which was the only imfuremen still remainine to liner in




 bine. wher repeated on ewry wron-om that there was mo in-

 ruming away home, and is a most clamey proversiom af his instractions, fla mbioms meaning of which he has not only misconceived, but misquated. A spe-
rs．• $\mid$ astind crl．：HInl in 10．Linere did It trelicowe unhmard of diructed d 10 r，in ：：11 lat I！！ave m！ I．actoridin！ 1：10 wathry $\because$ wih pro－ inine sur tiabow foner 1 milas hand יmased piace ＂which my

 יI llase cir－ w．whom it $\therefore$ Y Y ｜ur want me：－ r．өiven nime there
 It a paran． iル，：and hu： That I dial sati－tinction， hrine rover Hanlown wais
 ＂い口ial part b．ervations． （1）linere in －lorola was－ $\therefore$ or，al ：may ly орінімін hand thome
 Wat： 13 ：／1－

## rxanse lion

 ！porver of which A sue－rios of infathation．with resard to coments，appears to


 with ar coment．which．＂form the bret infamation＂（mot athertilies．as he gemes）＂wo hase heren ahle to wh－ ban，rum from the mothwad toward the upher part of

 will be of the eroate impertane to form as leating ？
 pas from tha Aretie sia into Davises stant．＂Auain， －If it shonld rome from the nothwor or west，it will prowe the beat gulde your ran dollow te laid yon to the diomerey of whirl you are in surareh．＂．His failure in



 that smat：and it is mew howen that the watere of the


 Allent．und proreding homervard along the sallur comst， the following day Rows abl a hatit ons shome in a small




 with iow and smow，the only shberest of his majouly．in

 wher aroathres as are comblomly met with in these resions of the globe．Lientronat l＇ars had command of the shore partr，and whationd what are said to be，






[^7]




























 fon abom rameme and dati-nowd and swoll fom the








[^8]Milny 心 小 ＇I＇hat lo．小い i） $1 / 114$ ••010： ｜romill｜l｜l｜l｜ 1 luail．Inow II il 11 unall
 －和『：am。 W！。 ＂dapallohal ：In m：limilo． 1 hoy：：ancoll


 wor tills lion －＋ －$\because$ and lons．
 III जरा！－01ा
 manlor lime lamil slran ranct，allimed

 －tirimal allu Md dract lin 11．III Inlic：a all fiom low allil a sulli

 끈․․以ic．．．I wis ＂只plome it．＂ thi inalruc－
 4 Simmil it 1 ：la hat with itw las





 （1，1，01， 1 ．＂









 woml lams brow ：




 －















 toms．If is a voyng which my two of the l＇mstat（＇lnh
would rasily acemplish in five months and buring that time might rom tar emongh mp Sir 'Thomass smith's Fomul to asermain the insularity, or otherwise, of Old (imeroland. 'There ares amons the members of that duh. wathemen sulficiontly hish-spirited to molertahe to selve that mational gorestion, and prow the acemary of ald Bumedish, and thas remowe a ber from the geography of Northero koropre for a pant of that division of the shone (ireentand is now aseretained to be. 'Thare is mothing to be apreheonded fiom the soverity of the fompratime. During the there or fome months that the ships of the present voyage were in the Aretie seas,


 dombts mot that a ship. provided with sufficient food, warm dothing. and tinel. ${ }^{-}$might winter in the highest hatitules we have bero in withont sumferine materially dither from cold or disuase." Ile very soon prowed it to be so.

In taking lenve of Rose, it may he stated that the obsorvations madre on his strange combluct have rehation ouly to his matmess for comducting the voyige of dis-
 In paratial sammaship it is moderstanel and momited that her is sutheiently well skilled, as may be infermed from Sir (ieorge llopers recommendation, as well as from the matmo of his raty and vations sorviers in ships of war in the haltie. in merchant ships, and in ships trading to the biast ludies.
url during that Iomas Stmitirs rwise, of Ohd whers of that ti) muldrake the ureurary 111 the grograat division of obre Thare "writy of the - momths that - Aretic seris, : the general hes took place, - anticipation, alficirint food, " thr highest mer materially oon proved it

I thet the obhave relution Nage of disridiepensablo. and udmitted - be infiered 1, as well as : services in ships, und in

## CHAPTER LIJ.

## CAPTACN DAVID BCOHAN.

$$
1 \times 1 \geqslant .
$$

A Wobler of Diseorevy townel the North Pole, performed in his Ilajesty's ships Dorothere amil Trout, umder the Command of Captain Inwo Becoms, 1:3: Towheh is add-

 the Lieminants of the E:cpedition.
The: two ships appropriated to this service were the Jomothen mal the Tremt, commamied, otlicered, mat mamed is under:


Captas Dabin Buchav was an active mat enterprising offiore who for several years had been acenstomed for the mavisation of the ing seas in the meighborhened of Newfommilami, and received his promotion to the rank of commanter in $1 \times 16$, for his zenl mad gond combluct on that station. He also made 1 hand journey over ice and smow nearly neross the island, in orider to procmere an interview with the native ishnders, he being the first Europroun that ever ventured to go mangeg them. On his retum from the present axpedition, he was apperinted in
 Ninwhmultam, and screved on that station till ! - 3:3, when h. Wa, peomoted to the rank of captain. In coming E:
















 s:amam. In $1-:!$ he was made commander.


 mow in.
 chiment artist. went thomeh his pahation in the manal









 ab: 1 and surveror: also in assistang in all the regnisite



 Hemdine the (ivator symis and ('ymenam and the and


$\therefore 11$ ship H:At
 mimy in carty
 al theromats st in the lolI1. Pronn $|=11|$ al the hutto

 ul :150 in lla 1-1.i, whirn
 - mal af "a!
 ral surveyor, d a thomonh M.
, lla ram! ol mimler of lla 4. where he
" soll of $\boldsymbol{H}_{i}$ in thr naval Sans of aso. ind surporl in以at adions: Hhe hathe a
 ars sillfinl : presint wo bowh lextify a. in Parros ins dranaghishler requisitu rising mind. and 1以 P: 10 honhor, har rle. (ompror an! lha :all-









 the derhed lands, ill whels her provelew atomes then

 1-9: Borefory was matre caphin, while om this serviere,








 Miliu still in tha sillur rimk.
 with lary on his tirst and soroud voyages, and still remains on the list af linmbumats.



 - littoulty and peril. han ine rombribumd manly und an the rish of his own lite, to save those of his lellow-theremes.
 which will be perimed ont, he was advane od to the ramk of aptain, and rewined the homor of highthont. ('oln-
 with the stationary pesition of his sumerion commade in
 "idhent.







 remeded to the mertheren, whlo dhe dectumatom of this was la sha burihatas.






 jommal, from a ferefing that the matter it romatamed was









 and havme pol thom in order. sumbithed it to ('aptan Buchan. wha remened it whth this ohervmions: 'That - all the most prominent liathos of the expedition were




 mon I had the homer to commanma."

Wh hat delayed the apporamer of the manation of a




 not have had the present work at all bit tor the persamsion of a firiond, who danally saw and read the manmseripe when taking $n$ lithe trip in the vessed he come
muldrex． ntl thon ！an
心．いh＂pro． nitlon of \｜ls

 （1）hrill！ Illicoliat！：illil 111 thore w：
 ing ha がい
 －新和 of lla $\therefore \cdots 1$ rurbl din Framblin，
 11．．liis．
 II W：lis lat． M his du：a！＇。 rrials fin in－ fintur：time．
 ntion：＇下hat Dedition ware his rinws：＂ M published P＇oler is the wih my rol a＇s allif spa－

Mative of ： ain larehor iis bulsoll fiix Nager in hor Cirn vollom！ mblic would the persmia－ 1 the math1－ in ha coll－



















 for ship were suppliel with somb of thase who，in

 homorary rewards．Nerel the momes of framblin mand Balloh lar mentionod？





 is derpers：and lems rommened with the lame it will be






 Berehery who introlmes his realer into the（imentame Sra in metcing the inmeres taken by those whe for thos
＊Mr．Inhn harruw．
f：：：
first time. withessed the ship working its why anmoge
 dattine its whigur mas amme then at midnight. com-
 the lights and shandows. the apperamer of ${ }^{\circ}$ arehiteretu-



 similar strow forre. in the lomps of ice."
suramy as the $\because$ blt of May the experition hat



 ill the short spare af semon homs. hy the arew af a sill-

 with them, a wer introsting acomat. 'Tlurir atioction





 onte of shese amimals was bomelat alive to England in
 uther day that the british Shsemm combld bast aren al


 instane will sumer to show the rate and athertion bestowed on their romus.

- Wre wore weatly ammed he the singalar amd athertionathe







 its thinger. In thi maner it moved abont he pool, kerpins
 "1. hesht sm iilnight. couration. $\quad$ und by " arehitertio1hore wlom-
 Iseolnger, mal ily. or stmin
pedition hand $\therefore 1$ callod hy irlh hle wai:III nil! lan!-
 rew of a sillithe waltors. introvormse Hiा athertion Hrase in do(1) limio come mion, whan! Cut salety: mis will lurn Althomgh , Finglatid in Was hat the amis rexoll ol 1. Zowherian p Hew whitr ․ A singla alleation lat-

11 alliertiontata
 fimally mathy :arm, inimaifo net alome in 11 l|r wimmin - clowe to the: :unl brourtha wine it wift rool, kecpin!:







 -•1."-1". :0, :3.
(1) the $\because-1 / 1$ of Mar, the wothom being forgey and


 main henty of ice: they met hero. and sroing it impossilhe to piemetrath the margimal lime of the iere, and the
 piscime a lew days in that hay, in which they machomed
 par in the handur. hat was in a mpirlly deraying state,

 iv rembered comsporme by fobr ghaciers, the smallest two hamded feet nhow the som, on the slope of $a$
 a buedney says, as it a bry slight mather would detark it from the momatain and propipitate it into the sea. Tha latges at the fome extends two or three miles in-
 maned the Whan-was. from the resomblaner of the


 drod lien in perpendicular hejght. In the vicinity of
 the "ypusion of a sum semery are fails to bring down
 meranjus they winessed avalamehes on the most magbiniorent seale.
-. Thar firs wat oceavionel hy the dixelarge of a musket at shme half a milan's dixamore frims the whener. Immediately
 berard in the disection of the icelarg (elacier), and in a fer











 - P. 1.: S. Siti.

In viewing the same glarior fiom an bat at a distance, $a$ seromit avalanche twh phace whirh attionted them the gratilication of witnesing the erention, as it ware of a

 only be gemernted on shome.
 ness of the bay whe firat iutemphed he the nowe of the fill-





 ins down from the hatigh of two homder liee :at hand into


 mande its racape in mumberons small catamets over the from


After desombing the disturbance oceasiomed by the phager of his emomons fragment, and the rollers which swept over the smeme of the bay, and whiged the I Breothea, then mareming at the distamer al fome miles, to aright, hy relomsing the tachles, he has proweds:
"Ther piero that harl hern disengated at tive wholle dis-



 above the surfice, with water pouring down fom all parts of
and lidl he:ml-
 -owked $110 \times n$ a towatial in. lime lo takn (1) 10 sumemalime drem, ther hat it breanue -hip. Thery the las:at hail wty-x.x fent."
it a distanmere, od them the t wore of : wod th faw. nomsiors cim
W.! the quintN• al thre lill1 apmachoin - rimbavering vern hat waw ropert is is it 1 manerder. the lares dielat lanat intu rim, arminby a Aissury, mow wer the firm
med by the rollors which (od the Derrrir miles, tu reds:
t wholly disInte a violif suray. lik, act. Sthera houndred liont a all parts of









 air."一l". 1.or, 1.s:






 time mo parallad ven in , he bensted latian shy, athords. in Mr. Warohors eppinion, it fill compensation fin the romly and ming wather, when the hills wre chothed




 fund omer at midniahl it rose to $7: 3$. althongh in the





 drod tioc."
(In inconnit af the milduess of the temperatmere, tho

 in the mbinine mat the prome of rest returned the shome aromid ws reverterated with the merre ary of the lindramk. willewho. divers. commomes, sullo, and oth-

 the lim-iy bath of the sume." The lithe athes or rotges

 touling tull hall way over the bay. on wa distame of nure than ther miles, and so foni therther that thirty have filllow wh one shan. 'This living colum might be, aloun six yards broad and as many deep: so that, allowang sixtern birds to a cubic yart, there would be fienr millions of these creatures on the wing at one time."P. 小i.
 it is told that the little rotures rise in sumblimitules as



 rager-pigeom, on the banhs of the (His, which, wimated on the wing at one time, he mahes 1.11 .5 .1101 .010
 phaced own calcollations: surlh an these.


 or rich pastarage for wimber, whel er athere are here

 in high combition, the fat on the loins being from fime to six inches hhick, and al carrase prepared for dressing wrighing iwo humbred mul righty-five pumbls. 'Theos
 where. "They were at this time in pairs med when ome wis shot ilue ollore womh hang wor it, an! orea-

 or han desiser its fullen companiom." "This compussimbater conduct," "ominums Borehery, "it is merdlese to suly. dombled war chamer of sticresor, homeh I musi comfass it was whaned in violation af ene bether ferelings." These amimals are said to take to the water firely and swim from ome istand to mother. The buats of the 'Trant twek heme which they wished to retain alise: but they weres wikd that they trune the ir samer limbs,


s，that＂wo of them ex distimer ol r that thity III mishor be hait．ullow－ mald be fome ne time．＂－
：wor．whon mintitulles as istimetly all－ －will nut Mres dwinlle uhonis pasis－ ich，restimin－ 11．5． 111614,01011 I not to beg all which is $11 \cdot$ ज．trroumbl－ －里，and oth－ eres are lier r），that this ty curciases from four 10 lin dressing
 tion lior varla ，mmd wholl 1，an！wra－ ：and，it mot $r$ shons rath－ his compmas－ noredlases to 1 millst conl－ ＂r liodines．＂ －limely ，and mats of the ＂II mirr：hut －Wher limbs． loriallat ber－



 thes defonded with delemmend remolations．If driven ali













 ＂h．

WII the ith of ．Iume the ships lati Mastalema Buy，



 watre．In gemer wowney they lill in with seromal whan shipe，be whirh they hemed that the iere in that
 herem in il．Burham，therefores．stomblathe mothwad．




 En into the how of ince，where they momind thirmern
 sainhward，at the ratr af there miltes inn home．amd the

 J！ハいい。

 the bth of July，and suiled as fir as evo $15^{\circ}$ N．，where


 nels of water wore ohsered in mory phatere and the wind was faromhar fin procerdine elome une of the

 rowey sail his masts womld beall. amd was eherfally fol-


 - Al close hy the packed ice. 'This was the mad of therig
 N. In vain has labored twe dass in drageine the ver sels with ropers and ier-anchors: for, thomeh ther had hoft the iere hedhad them, the comernt had wariod them bark to the somblaved lhrer milrs. alled it was chat blat all
 br vaill.

C'aptain burhan brime mow satisfied that he had given

 ing sureroderl in getting the shipe to the reder of the puch, amb saling alome it. a violent sald al witul ramm on sh suldeloly that they were at omer redmed to stomstaysuils. 'The iere was setting list upenthom, mat the


 inte the er mbrohen lime af farions breakers. itt which
 the wisers and dashing togerher with a voldore whirh
 oremsoming such n mose that if wis with the gremest


 now produed ly the collision of the ior and the traturest-

land when tho bamment merivel that the simongh of the littar ham was to ber phaned in rompertition with that af the ereat iry romtanent. und donlta might ramombly fatse arisen of hay -umiviag the umpanal contlict. the
t！uoir ：arthrex ．su rapid hand ht．Hhal rhan－ Irm：and the $\leq$ cme of the a moment in Igs，sproviding howrinlly fol－ rall joy of all ationlis began sel and pross－ －rad of thrir ｜was rol ：al sing the wer they hawl lolt od theroll hack cleill that all hward would
loe lowl given rem，vesolved matul．llan－ Mine al the vind rambe on ed to－tom－ lıיII．uml the， ：＊in a ther molige －mod dashor rs，in which Ihsiding with小品屚 which （1）withotand． the greatost v thr ar．w．＂ －rall comsey of the eflect tho trell．perit－
stremsth af （oll with that It rasombly contlict．He
 （uptain berchey sals：


 Which the urtors were isum bey the commander of war linto




 thenth the lisht ite，rame in vialdol contart with the mata
 ＂ith the iupulns，and the ranking timbers fom below b－．



Ciptain Burebley procerds 10 give a most formidabla， acomm of the state of the ship，itcompanion ley a ter ritic and well－rxerutel print，hescriptive of her sitnation． ＂Hor motion．＂har says．＂was se great that the shifis hell．which in thr heaviost malle whed had wever struck



 tor redan the shigns which werer so disabled that the： forontan was in a lommering romelition．＇They male
 Where they reparreil therig damages as well ns they rombl it was dhems，bowover，throe was ant end in

 wo．Latumamt limalin mergesom that he might be
 ＇lhis rembl mot he mereded to，as．in the explt whirh had
 tance to tabe command of the＇lownt，provided her com－ －nt was rembered mespereable：hat he dome so，the Worother，mareompaniod in her why home，might haw rishel the lises of her erew in a shap so shathered and




## CHAPTER ! V.

 PARRY'SFIRSTVIGE.$1819,1=30$.

Junrmal of a I'ryave for the Discorery of a Northerest Pess. "ere from the lllantice th the P'arition By W. E. Parme. Commander of the E.rpmotition.

 brig of 1 - 0 toms, mised 1 pon: : and they were commandad, whicerod, imel mamerl as maler:

Thr: Heras.





 Ab- ph Nits.
Wm. I. lne:ly,

dia. ('larlan lione,
Jehan lill-hne:n.
dathes Ihatei, ('hark.
Iz (Minns.



1ti :


(1r.


50-Total on hoard.

The: Gatper.
Mathow lidlon, T.ie-nt. romm

 Indew lithl,
) Malwip.
A. N Tk'm:
men.
('yrus Wiaktham, 'berk.
\% thlowr.
I: Winrat and Potty Olthera.

f Marmes.
3ij Jutuh on hoard.

The most remmbatbe beature in this expedition is, that Latorvang Panar, having bean selected to tha command of it for the purpose of carrying into afied the instroctions which lass, from misapprehension, indiftercones. of incapactits. had failed to do, shond have berom sellt out as a liculchant moly, in which rank her continned for mearly two years hetimer he obtained that of
orthrest Pass. W. F¿. Janky,
ice wore that a a large gunre emmami-

IIPFII.
n. 「.de•lit. Commo



 III, ( Jerk.
etty Otherer.
xurdition is, lewed to the Ite arlieet the sion, indiftierIf have beren放 har comtininted that of






 the sumb dave and while in the servier af the experdition,
 made emmanalar, in which mah he still rembins on the hat of maval , miteron.


 the thime was appointed commander of the seromil ship, the Fimy.


*heme. lioss, and Bushan were in the first whate, mind sure Alexamder Frishor, assistant surgeon, and

 the reput of ( 'aptain Ross was comsidered he the board of Shmially. were it tw be interred moly fom the in-


 comaterom at the fiest and most pertiontar oheret of his

 'Thomat suith. withor of which had heon exmmined,
 dition.
'The two ships andomed to bre litter out far this rexpe-

 "muse and the (iriper to ber mised as raty as the midhe
 Fobant P'ary wins appomed to tho command of the for-
 latter. 'IThe -uhmetimate lionternatise of the two ships

nee to the Griper, both having served on the bate axpodition: tive midshipmen to the lomer ship, Nins, Benly, Pabmer, ( lathe Rass. Bushana: and to the latere, there, Reid, Skene amb Nepon drilliths. Capthin Sabine, of the Reval Artillery joined the expedition as astromemere, rand to have rharge of the masuetion observations to ho mate on the wesage. The Heda had a surgeon, ant assistunt smeme and a purser : the (iriper an assistint strgeom and a cherk. The marative of this voyme has suppled, for the intrrests of sciphoe and gengraphy, namerons and important licts and obsemations, and, abose all, has opreded the door to the diseovery of the main object, the Northwest Passave. "In this work," it has breen suid, "we lind no display of self-importance. no attempt to dereise, of to thow dast in the ryes of
 and make the ignorant stare; mo figmes set down at random: no chat-lines drawn ad libitum: no reprosentations of objects the mere tancies of the bain: ! me, on the contrary, a phan statement of facts nod oreurfermes, and a detail of actientific observations, made wath momprachable arouraty, and recorded in the clearest and most simpte and matfeeted lamsmage."

On the 11 th of Miy the shipse left the river, and on the"
 Davis's strait, proceeding to the northward along thes edse of the ice, and between it and the westrme comst of (ireenaland, and on the 3 of of dnly cressed the Aretic:
 hage dimensions: and on the following day a more extombed chain of a larger size, agninst which a hearg somberly swell was violemty agitated, "dashing the
 white spray over them to the height of more than one homered leor. mod, being aceompanied with at lomd noises exactly rescombling the roar af distant thmoder, presemted "some at once sublime and :errifice" Between one of these ieromeres and a detaded ther, dritiong with a south -ry rment. the Iterdin had nearly, as the whaters catl it. bern "upped," that is to say: sumeored that. 'Th.
 weromed in ome hambed and twenty fathoms. so that it whole heggh probably evereded erght hamdred treet.
a lite rxper Nias, Inaly, latter, threre, 1 Sathine, ot astronmorer, vations for ber shrgoon, all all mssistant : voyuse hats oongrtuher, intions, intil. werey of the His work," -importanero. the cres of or confominl. set down it : 10 repree hain: ! !ut. mul orcours. male with the cleatest

## r. and (on thor

 entrance intu rd along tho - estrint comas of the Aretie: - iccolorgs of ich a heawy dashing the Ins mained it ne thath (mu) at loml moise $r$, prosernted weroll one al vith a southwhaters call tlat. 'I'lı" it hienh. :uml A, so that it findral tered.On the olst the lame called, by Davis, "Itope Simdersom," and also the " W'oman's Ishan," were serom: und "Wo found omselves," says larry, " in the midst of a greal mumber of very high ienhergs, of which I commed, fom the crow's nest, dighty-right, besides many smaller ollu.".
blaving now reached the latitude of 737 , and heing mwilling to pass the latitude of Lancinter אommd, Pary determined to make an attempt to pass themeh the icy barmer in order to get into the open sha, which the exprepine of the former whage indmed him to helieve her shmuld tind on the apprisite comst ; it bok him, howabry, worm lays sailing, traching ant warping occosionally, 10 get into open water, the widh of the harior beine mot lese than righty miles: but the mavigation
 damsomas. Having got into the apen stream, the watere hure was fombt to haw derpenens so much that no bottom was ohtaimed with thra homberd and ten bathoms of lime. no ire in mer dirertion. and the tomperamme of
 weme abmalant, wo less than righty-two lange omes being eommed in the comerse of the diy.

Pary obsemes, that if any prof were wating of the value of lowal kinowlenge in the mavigation of the Polar sians, it would be amply finmished be th. fact of one
 terssomal just one month andior than wo had done in
 M. with the same general object in view, namely, to per-
 the buthwo phessige was mow supposed to be sought fire and thmme." Ha mits, howerer, ma important,
 tahing the shentest romte. instead of rivemmarignting Bantinis biay. On the 31st a party lamded at the soot they had visitad the preereding year, when Lancaster Somod was abombomed. 'The thas-staff was still stamenge
 -hous as fresh is if imprinted but a fow dars before-a



$$
F \geqq
$$

On the lst of Jugnst the ships entered upon that portion of the ruyan which was to detomime the stereess or fialare of the experdition-that magniticent piece of water callod Sir dames Lameastores Somme. An enstorly brewo and a coowd of sail carrided the shipes rapitly to the westwart. (On the mornine of the : Sl, it being calm, somblings were taken with the derop sem chans, mod one thonsimd and tify lathoms by the line were fomml ; but the drift hoing considemable on areonnt of the swell, P'arry believes that the depth of water dial not excoed dight or nime hombrod fathoms. 'Tho sea was open before them, free thom ier and land. Lientemnt Pary says,

 nance, while, as ihe beroge incrased to a liesh gale, we ran guickly "pe the somal. The mast houls were aroviled by






'They were som relieved fom their ansioty mesper ing the supposed romtanity uf land, which had heren statad in the most promptory mamore to extend across the buttom of this magnificent inke in which they wore sail-
 shomes herer, the berth and somth, were still thimeren leasures apart, withont the slightest apmeananer of anys land to the west wat of them. 'They hat now advanceil to what I'ary has callod Barow stmat. provions 10 which, howevor he had named ather opening on the

 pritunity of making some compensation tor having tans-
 niticent and insuporathle range af momotains which a fornow experdition had assignedto one suererary of the ddminalte, into a broad and mintorypted passage beames

 tred the l'olat sea, anl somber the most satiguine
upon that porne the sulecess icent piece of

An custerly hips rapidly th , it leving cillu. clanss, imed olne folmil: lon the swell, l'init excered aisht is open betom t Piary saly, rile tha : ihnowt 11 Mory comme. Wh gille, we rath x rymon : and ain -II memarand d by the raser The's mest wer. hur mont salleyr
xixty respere had been stancoud acroses tha hey were stil. 1:2, the lwo - still thirtcen :ranco of :any now adsamerid it, perions l" proning on the ionss 111 s.iver." han andiact (1)-1- having tramamel, tho mas. 1s which a fornery of the Adnsenge. beating - now begall 10 hat fairly ullmost simgrine

 ble necomplishiment."

 wats pronal. Hasing passod barrows Stmat, a small ishad wermred, betwerol which imd the shome to the
 the bloched up the prosige to the westwad, mad they
 ern canst. P'ary lameht it bettre to prowed to the ex-

 wide at the momh, and me fand visible in the lime of its sombleron theretions. Ho stoed down an open chamed of wather on the rastern side alomes the adge of ace that oerupued the midhle of the stati, and hopes were entermimel that it might lemel then bearer to the romat of
 Srere of latitule, in whirh it might be alsantamens to mahe their parage to behringes statit. Amb as the int Ind increand in widh as they promereded to the semth-
 but. To their great disappoimment. the disippraname of land suthe somberst, and its place supplicel by a barriar







 It hat beed wherod that. firm the moment they volder
 was very shexish, and hoth this und its deviation increan-




 Hhe ship, so that the nomite misht now he setid to puint to tha north puice of tho ship,"


 ber: lant on that and the tollawing day the womber war

 their proseres to the woswarl. Thes soth was entirels










 "Mини"••"



 furitatity that it miaht take a tum to the smotiward, ami

 i1. mure י. -





 whidy our pasace hand bean athered fom tathas Bay m






H10 thon pays the compliment of assiguing to the



- Thungh two thirds of the month of Auglial had now elng-
 formal llar ire： t hot ithpas－at－ Wratlarg W：
 צ to informull Whs chltirely lat it wis nil－


 ：जroral lay
 lat loanollos in
 lıי וlai－1 l｜l：all．
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 －livian hanl il． ipally fomal lla smaliwaral，and
 on 1：all sid，ol －antoly at dumb －linvoid as from －Hat Wr wrot finme tho いいか．
 iflı thin itlo：i，i
 batliats Ban la $\therefore \therefore$ suat．allem inald，lwh as at ｜coullal alll｜as a ［1）：1nd－xemtion $\therefore 1 . \therefore$ ．
－igniner for tho 두 of Ilothilli．


## $\therefore 1!:$

had now elny




















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 inlorestime than ally other part at the shomes at the Palar


 circular loms，mal wror trons seren to torn liot in diann－


## IMAGE EVALUATION TEST TARGET (MT-3)



Photographic Sciences


Corporation
eter; traces of reindeer and mask-oxen were seen in many sitnations; the ravines were cowered with luxuriant moss mal other vegotmion, the chameter of which ditfered very little from that at the hottom of Possession Bay. The basis of the island consisted chiefly of sandstome, besides which were some rich granite and red fellepar. The latitnde of the place of observation was $755^{\circ} 09^{\prime} 23^{\prime \prime}$, and the longitude $103^{\circ} 44^{\prime} 33^{\prime \prime}$; the dip of the magnetic needle $88^{\circ} 25^{\prime} 58^{\prime \prime}$; and the variation was now fomm to have changed from $1: 20^{\circ} 58^{\prime} W$., in the longitude of $91^{\circ} 48^{\prime}$ (where the last obenervations on shore had been made), to $165^{\circ} 500^{\prime} 09^{\prime \prime} E$., at their present station; "so that wo had," says Pary, "in sailing over the space incladed between those two meridians, crossed immediately to the northward of the Magnetic Pole, und hat undoubtedy passed over one of those spots upon the globe where thin needle would have been fomd to vary $180^{2}$, or, in other words, where the North Pole would have pointed to the south." In point of fact, though from the weakness and sloggish perfiomance of the needles observations that required great nicely could not be depended on, yot Parry thinks that one ci those spots he alludes to would at that time havo been sonewhere not far from the meridian of $100^{\circ} \mathrm{W}$. of (ireenwich. The " spot alluded to" was, of course, the Mannetic Pole, discovered cleven years atior this by Commander James Ross, and which is only about two or thres degrees "from the meridian of $100^{\circ} \mathrm{W}$. of Greenwich."
"It would undoubtedly have been extremely interesting to ohtain such inn ohservation, amd in any other than the very precarions matigation in which we were now engaged, I shond have felt it my duty to devote a certain time to this particular porpose; but, miler present circumstances, it was imposiblle for me to reqret the canse which alone hat prevented it, esperially as the importance th science of this ohservation was unt suflicient to compensate the delay which the seareh after surh a spot wonld necresanily have occasioned, and which eould hardly be justified at a moment when we were making, and for two or three days continued to make. a rapid and unobstracted progress twatad the accomplishment of our principal object."-1'. 62.

It may now be said it was well he did not, as the spot,
ere seen in with luxuof which - Possession Hy of samdite and red rvation wats ; the dip of ariation was $W$., in the equations on $E$., at their P'ary, " in se two meward of the over one of : would have ;, where tho $\because \quad \ln$ point ish performquired great y thinks that at time have of $100^{\circ} \mathrm{W}$. s. of course, atter this by ly about two $100^{\circ} \mathrm{W}$. of
ly interesting thin the very engaged, I a tine to this timees, it was lone hat preree of this wh. delay which ve occasioned, cut when wo meed to make, e accomplishi-
, as the spont,
sinee discovered by Commander Ross, was then, as it prombly still is, unapronchable by such shipes as thoso of P'irry.
(On the 1st of September Poury inserts in his marative a table showing a daily absimet of the monthly meterological journals, consisting of colums indicating the temperature of the air and the sen, state of the barometre previliner winds, and prevailing weather; and in this firm a tabular series is repeated on the tirst of erery month. From the one in question, it npperss that the mean temperature in Augist was, in the shade,
 that surt a form should be hept and made imperative, at all times and in all phaces. on toard exery ship of war. The expeditien combuned its comse westerly, anmeng patches of iee and in a fogey atmoshere giving names
 and on the 4 th of soptember, bury wherves:
"We had the satisfactime of a"ossing the meridim of 110 ) W. from (iremwich, in the latitule of $7 \mathrm{t}^{2} 44^{\prime} \mathbf{9} 0^{\prime}$. hy which

 the kiug's order in Cownel, gromuled ous at late ate of dar-
 purnmating thus bar to the westward within the betic Cirde."一1. ie.
Too the bluff head, where the observation was made, the men gave the name of Boun! Sope, a very appopriate name, after the gallant commander hand anmured to them offecially that their exertions hald so far been crowned with surcess as to cutitle them to this reward.

Go the sth of september, after having worked their way along the sonthern const of the largest ishand of the group) they had recently passed, the hoats lauded, for the second time, in a biy which, for its somulings and shofler. apperared the mest sate and comvenient that had wremed to ancher in: and. acrordingly, the bay of the He chand (iriar , so namind by Parry, hecame the tirst : leaving the coast of Norloth. Comsidering the idmaned perion of the year, it oecorred to the commander that this place appeared to mark, in a very decided mamer,
the completion of one stige of their vorage. "The ensigns and pendants were hoisted, modit areated in as mo ortinary feelines of pheanme to ser the british lang saving, for the first time, in those regions which had hitherto been considered beyond the limits of the labitable wordd." P'ary gave to this harge ishand the neme of -lifelle being that of the First Lord of the Admiralty.

Pary determined however, to extend titeir opeattions for prosecuting discowery in these regions, thongh it became necessary to serome the ships every night from ten till two belock, whon it was too dark to keep muder way, more especially as no trust whatever conld be phaced in the compasses. But his hopes were damped when, from the crow's mest, he perceived $n$ compact berly of ire extending completely in to the shore, near the point which formed the western extreme of the islmul: the ship ran, however, sufficiently close to be assured that no passage to the westward could then bo efleceded, the floes being literally upon the beach, and not a drop of clear water visible beyond them. 'The shore was covered mearly with large masses of ice agromed in four or five lathoms of water, of which they would have drawn at lanst ten if set alloat ; these masses the people were in the habit of calling beres, but they were very difierent to those met with in Baflin's Bay, none of which hind were seen to the westward of Barrow's Strait. 'The length of the night, when darkness prevailed in seas such is this, was little suited for prosecuting diseoverios; yet as September is considered a most valuable month in the year, on accome of the it being then more free from ice than at my other time, Pary states his strong conviction that the uthmate necomplishment of the object must depend, in a great measure, on the farther progress to be made this season, and therefore he determined to extend their operations to the latest possible period.

He soon, howerer, perceived that the season was at an end. On the 9th of siptember the floes of ice were observed to be sensibly approaching the shore, and matters grew worse till the $?: 2$, when the ships were actually beset and in a yerilous situation. There was no
"The enreated in as - British thar is which had of the hatiud the neme of the Admi-
tileir operagions, thomgh ry night from o heep) muler rir comld be vere damped al a compatet - shore, near ne of the islase to be asould then be e beach, and them. The hasses of iere if which they these masses ess, hint they Batfin's Bay, vand of Barhend dinkiness ted for prosmsidered at of the a
other time, ultimate are, in a great wle this seatheir opera-
man was at of ice were re, and matips were achere was no
posibibity of moving timen : a party, therefore, was sent on shore to collect coal, which had been discovered not tiat ulf.

Another party, consisting of Mr. Fife, (irerenkand mate, and six men of the (iriper, having heren sent on shome a heaty sum-storm ame on, in which they bost their way: not apmaring when night aproached, other parties womesent out in sareh of them- - mo less than four ; and it was mot till three cold days amd mone sororo mights had passed away that they all got on board, most of them exhanster by cold and fatigue, and severely frost-bitten in thein res and fingers. A tempestuons night of sis or seven hours of darkness, aceompanied with stormy weather, without any shelter on the shore, made it expedient for them to endeaver to retrace the in steps to the dastward. Other parties were sent out, and soboral diys wore pased in great anxiety before the whole of them returned.

Abont this time, the 1 th of September, the change in the temperature was a wery striking one, the merenry having deseemded as low ats to $9^{2}$ : and irom this day the commenerment of winter might failly be dated. The 1ath was a diy of severe trial for the ships. Endeavoring to return along the lamd, the bily ice hat become so thichened that, with tne pressure of the floes without, the ships wore arested in their progress, and umble to mowe a single foot ahead, and there was but too morh rason to apprehemd that they would be driven on shore, or forced by the floes against the heavy ice on the hearh. From this time till the 20 th of the month the proilons sitnation of the ships is minntely deseribed, when on that day a large foo forced the (iriper on shore, where she hay aromm on the beach. At this time Lientenant Liddon, whe had recently recovered from it thenmatic complaint, cansed by the hamasing ciremostances of the last fortuight and the inereased cold, which roduced the mereury down to $15^{\circ}$, was brought to a very debilitated state. Dary, therelone, proposed to him to allow himself to be removed to the Heela till the Ciriper was asain alloat. T'o this proposal he wonld by mo moans listen, saying le shond be the last man, instead of the first, to leave the (i:iper ; ant resolute in his G
purpose, like a true british saike, ho mematmed seated nguinst the bor-side of the derk, giving the necossinty aiders.
'The time was now more than arrived when the ships, if possible, shomble bot into winter ghaters. A han-
 having ent uthat mad joined, the Iwo ships were secerod in the proper pasition for eombloming opemans. A sailor is never at a loss for combriving mod exerotines the means of wereming smeh diffiralties as fow lamdsmen wath wathere to macomber. (On the present orcasion they cot a camal thromgh the solid ioe of the average lhichores of seren inches, mad eomploted it in theme days. the whote lenght of whieh is stated to have beron fiour thonsand amd righty-two yards. or two miles and ome third mearly. In the afternoon of the efith the shipes were hamed into iheir winter puaters, with three lomd and hearty cheres from both shipse companies.
"Having now reached the station where, ia all probability, wo wore destined to remain for at !ast aight or mine manthe, dhang three of whid we were not wase the fine of the sim, my attention wals immedialtly and imperionsly called to sarions and imporinat dutios, many of them of a singutar nature, sum as hat for the tirst the devolved on any ohlierer in his majosty's may, and might, indeen, be consid. ewed of rate acrumence in the whote histery of navigation. The secority of the ships and the pereservation of the varioms vores were ohige te of immodiate comeron. A regular swatem to he atopted for the manternanere of good order and ciranlimess, as most comducive to the health ol the crews, daring the lomer, dark, and dreary winter, epually demanded my at-trotion."-1P. 101.

The housing over the ships was one of the first comsiderations, being calculated to contribute to the combint of tho oflicers and men, as well as to the preservation of that extmominary degree of health which had hitherto been enjoyed in both ships. Warmth and drymess of the berths and bed-phees were the next important matters to be secmed, the thermometer having now fallen below arro. An iron box, or air-vessel, with three tobes of two inches dimmeter commmaicating from below with the external air, und miting above with a metal box, was so contrived as to convey the heated air to
mained soated the areessary vhen the ships, reters. A hime Hh, the (imiper - were seremel 0permions. A "xrevting the fow lautsinen resem thrasion of the nurras, ond it in there d to luwe bredu Iwo milhes and - 2 tith the slipis with three lowl mulics.
, ia :all probahiliist cipht of nine it to see dhe fire, :und imperimsly ny of them of it ducolved on any deed, the comsistry of mavigation. oin of the varimes A regular sysitem rater and cieanliice expess, during lemanded my at-
ff the first $\mathrm{cm}-$ to the comifiont preservation of ch land hitherto and dyyness of importiant matving uow fallon ell, with threo cuting from thewe with a mette heated air to
the menes herths ; mul this mpanatns, Parys salys, with


 (1) be re ghated, having regard to the preservation of Inalth. An anti-s.ombutie heor had been issined in lien of a proportion of spirits: but when the weather bermuen wromely severe, the bere would wot ferment se as to
 suine of find, to the article of proper clothing, mad to the nature of the provisims and lithe luxuries to be distribu-

 tis the mena and while judierions in guality, abmulan in
 al. grac satistartion to all. Bath mom mud offirers were filly aware of the meressity there was to sermere a supHly fir the wintor, and for the following seasen. But Parry, with right fieding mad juldment, and, it may to admed, with a knowndge of humam mature, in order to

 them.

 ane fir a wery hare pertion of the year, I was dosirmes of
 dimsis interal. 1 prepred, therefime to the oflicers to pet up a phay orceasimailly on lowied the Herfit, an the readiest mema of preserving anemg our crews that chererfuluess and Frund humer which had hitherto sulmisised. In this propusal I was rembly seromblad ley the oflicers of louth ships; and Lienteman berdey having bern duly mectod as stagemanatere wer tirst perfermance was fixel for the 5th of NowemLure. th the preat darlisht of the shige' companies. In these

 arey thing that combld combributh to it, was not the lenst assential part of my duty, mader the peenliar ciremmitances ia which we were phaced.
"In oricer still farther tw pronnce goed hamur among ourmares, as wroll is to firnish :mmsing orempation, during the inurs of constimt darknes, we set on fient a werkly mewatper, which was to be called the North Cicorgia Giazelte and







 kind: misteal of whidi I am saliely sin that the workly ron-





 dillicolts. to establish the danater of l'any for realy
 ment. which thos hep alise the action powers al the mind, and presomed it foom liallitg into a hathit of inatetivity and listlessmess, and fom smbine into that worst of all combitioms, a stalle of morhid torpor. Wis plam was, as it combl mon well he wherwise, romplately sumestal.

 himl. the results of which are given ind detail in the Ap-

 wheres of Nimmal Hishory. Itis tirst nttemtion, on the arrival of the ships in thoir winter ghateres, was the solection of a proper place for the alservatory, whide
 the shipse and alse with a hemse built on the beach tin the reception of the chochs and other inst momes. 'I'he
 so that athigh temperature eould be hept if in it withunt dithenty by a simgle stave.
llanting partios ocoasionally wout ont and procured a few roinderer: but a bagation of these amimals tomk place before tha elose of Oetober, leming behtad then cmly wolves and loxes to herpho pary company dume the long wimer monhs. Pien the Pobar hares sommon in the Aretid regioms, berer oure showed itself on Detville Istand in the comrse of the winter. The
biow muldrtink

 harpor, bu rainel - rosithel tor 11 a the diancotion. limers tw : III: $:$ ald in of thit llo. wrokly rathhe leisure hams \& the mine fiom

 antamplinar: :any for randy 11 sinumd judipowers of the I hathit af inalasinta than worst
Ilisplam wis. toly succersthal. hial almulantore
 wail in the . Ipst rotions, 位 dreseription of trention, ont the allors, was tha wather, which (umberation with Whe berath fin -umbints. 'I'ho mass bolweron,
II) in il witl-
and procured a (0 amimals look in hehtind throm
 1 hatre, so comsshowed itself winter. The










 rlimed lor da. R',






 Whiph was shot at and wommlerl, hat mande his respape: it, was the only mar met with during the stay of the party,

 and stmmed samsos constimte pretty warly the glore of Mrdille Istand.
'This drestatre and miserable istand was destimed to be the athala af ane rombtrymen for nine to ten dreary winfor momhes, during there of whirl, as they had heren able

 mam being was fomml to inhahit an repmlsise a spot: amd
 mambre of the experdition, to find emplayment for the prophe under his rommand and protertime to preserve their heallh, mul to wand ofi despondeney for so lone a

 sumblhine mone was still regnimed than the acting of phys and the writing and rading ol wiontes. Both
 of probertion agminst diserase, which a larer shme of teisure and a contimed stite of mental inactivity were but (i ${ }^{\circ}$
tow sure toproduces. 'The fotal privation of gatme of amy
 anil mimsarment which homing is homato conter. I'ar-


 alled the eomsequene is stated to have beron us follows:


 atul with a muskis in his hami. A paty of our people mest
 just as he haid tathon down a bank of sume and was heremning to fied that darger of terper and domsiness whirh, it indulered, inevitably pones tital. When he was brught unt
 that part af the muske which he hand heron carrying ; and the front had so fire thatroved the amimation in his finsers on ons hand that it was meresary to amputate hhere of the ma shme time ather. notwithstamting all the care and allention paid th
 to prepe fros has in bemmbing the mental as well an the conneral faculties was wery striking in this man, as woll as in woo of the yomer gentlomen, whoremed alter dark, and
 som. When I sent for them inte my cabsu they lowed wild. spolse thick and indistiontly, and it was imprissible to draw fiom them a mational answer to any of our gurstions. Afer beine on bame for a shom time the mental finembes appand grablatly to remm with the retmoning circolation; and it was mot till ihen that a lowker-on combla rasity persmande himsers that they had mut been drinking tow freely.'-P. 103.

This was filly sulficient for the atentive and kindhearted commander to mopt elfective moasures against a recurrence of so puintal a result. So early as the d! bh of Cetobrer the thermometer was down to $94^{\circ}$ helow arro. It was now distressing to tonch any metallic substamer with the maked hand in the open air; it prodnced a feeding of intense hat, mat took off the skin. If the eyepieco of a telescope tomehed the lace, it occusioned an intense buming pain; the remedy was to cover them and other instrments with suft lenther. The afficers, notwithstanding. indulged themselves in walking for an hour or two in the middle of the day, in the depth of winter,

1 of canne of any Iree of exerebine to combir. l'a' 11 out shartly wf-
()ne of therer strictly orrarol, an nu lollows: the: (irijur. who is hamde severely withome mithons, $f$ our porple num 11 was wey dark. $\therefore$ and was herit. winess which, it c was brousht on into the shape of arrving ; and the his lingress oll er of them a shom 1 attention pail $\mathbf{n}^{\prime}$ 1 which expersure tal as well tis ther : man, as well :sis ridilter thark, and s respertine Prar. thry lowked wild. apoisible to cham fuestions. Aher acultics appearod lation; :and it was persumbe: himsus "-r. 103.
entive and kimbneasures against early as the egh $24^{\circ}$ below zero. rtullie substime odnced a feeling If the eyepliece ioned nu intense them and other Ificurs, notwithg for an hour or lepth of winter,
man when the thermometar was down to for ar exal

 that there was mo wiml fout the lanst breore male the Mposime to it intalerahle when the meremry was even seremblereres abowe zero. 'The following passuge is so manally mad so woll expressed, that the desire to exfant it is imesisthbe. Speahing of their short walks ons shore, l'ary says:
"It may well be imaniond that at thix period there was lum lithe io lo. mer with in our walks on share which could rither ammse of interest us. The merosity of not exeredines the limited distmere of one ore two miles, lest a smem-drift, Which often rives very sumblemly, shombld perent our return, anderd considerably the thall and tedions monotony which day ather day prosonted itself. The the somberard was the Aci, cownod with mue mbroken surfare of iere, unifirm in its dacaling whithers, oxerph that, in some parts, at fow hommus were sern thewn some what alwe the semeral level. Nor did the lamd offer mach grather varioty, bering unmest mitely covered with sume, except here and thore a bown patch of hare uromal, in some exposed sithations, where the wital had net allowed the sum to remain. When viewed from the smmit of the neighboring hills, on one of those calm and chear days which met untropmently wecomed durine the winter, the sere was surh as to intuce contemphations which hat, perhaps, mone of melamelaly than of any wher fereling. Not an olyeret was to be seren on which the ore could long rest with pleisinere, maless when directed to the spot where the ships lay, and where our little colony was plamed. The smoke which there issmel from the siveral fires, attording a cortain indication of the presence of man, gave a partial cherefilaress to this part of the prospect; and the sombl of wices, which, huring the cold weather, conld la hrard at a much greater distance than matal, sorved now and then to brak the silcuce which reigned aromed us-a sitence liar different from that pearable composine whirh chancterizes the lamseape of a contivated comatry; it was the deathlike stilluess of the most dreary desolation, and the totil absence of amimed existence. Such, indeed, was the want of whects to athord relief to the eye or ammerment to the mind, that a stone of more than nimal size appearing above the sumw, in the direction to which we were gring, immediately became a mark, on which our eyes were mo conscionsly fixed, and toward which we mechanically advanced.










 levelinit $n=$.

Nobling contal be more jutlecons than the armenements made fio the "mplogiment of the mon each diry int the weok: med ons Smdays divine service was insiriahly pertioncol, and a sermom reat. on hamed both shign. " T'lu athontion." says l'ary, "paid liy the men to the whereather of the ir relighons dution was sum as tor m-
 small deaber bo the preseration of that regulaty and grond comduct tar which, with wey liw exerptoms, they were invariahly distinguished." 'The minor armeremomts mado be Parry to timd rmpleyment, and to vary the secupationis af bett mon and sificers, daring the hons mhrohen night of there monthes. "ppear to have
 Goms monning and eromings cleated op the decks, attendad the atieers romme the ships, exmmed the ir berthes and hed-phaces. mad in the evening went their supper, white the oftioers tomk their tan. After this the men were permitted to ammse themselves as they pleased. and games of valums kimbs, as woll as damemend simeing areasionally went on mon the lower deck till nine ribloch. when they retired to rest, and the in lights wore extmonishod. - It is scmeely mecessary to add," l'ary obrawes, "that the eveming occupations of the offieers wore of 11 more manal hind than those which engaged the attention of the mem. Of the former, rading and writhe wore the pineipal employments, to which were aceasimbally added a gmme of chess, or a thme on the flute ar violin, till half past ten, about which time we all retined tor rest."

On Christmas-day, which had now arrived, the weath-
(x, it comial tan. rest, + jurciall! arit! of our mi.

 - Eanial aliman"
 midd anmetime
 decolinte rewsuly hich we hant leti
" the mormu!n moll meh disy vier was insiard lath ships. the mush to thr stuch is tor reit tromeril in ma regularity mad xerptions, hey mino : armor -nt, and lo vary rs, during thr appear to have attomding disis-- decks, altiondrd their herthes o their supper.
this the mern they pheasiel. heing mol sing-- dack till ume teir lights wore to add," P'arry of the officers which engaged er, rembing and to which were a trme on the ich time we all
red, the weath-







 of the same kind of festivite be whol it is msmally dis-timeni-hed ut home: and." he adds, "to the rereitit of
 whed it is tow olton wherred bes smmen."

 whills drpriver as they wer of the sight af the sim lom Mehtr-fons days, which may be mehomed, as it wally "as, "me rontimad night, lighted op only, and that par-

 dor such civemmstances, mast, in in errent draper, be ascribed to the example sed them by their exrellent eommander. cordially seconded by Lainutrommt Liddom and the wher arfiesers. It is well mendresome in the nave that onderlicot and grood comblact on the part of semmen, and a high hate al diseiphtine in a mmonf-war, are the sume rasilts of alle and intreligent officers, kind and atfomtime to thone mulde their command, yer, at the same time, strichly requiring from them a ready and willing whedinome to the arters of their superions, and to the rulds and regulations of the service. Such wore the mon, and such the eommanders, on the present service ; and the consegurace was, that every man (with the exerption of one poor lellow, who carried out with him an imemable disease) was brought home in as high in state of health as that in which he left Englaml.

One case of semry was reported on the od of January. Mr. Scallon, ganner of the Ilecla, complained of pains in his legs, and the nppearance of his yums left no bumbt of the symptoms being seorbutie, which Mr. Bidwarls, the smgeon, ascribed to the deposit of moisture in his bed-place. The commander, ever anxions for the preservation of health in his ship, put in requisition all i)
their anti-somhaties for his recovery, consisting of preserved veretahle sonps, lemon-juice and sugar, pichles, preserved curmints and gooseberoios, and sproce beer. He also raised in his cabin a quantity of monstard and cress, of which, even in the severity of the winter, ho cond generally ensure a crop at the end of the sixth or seventh day. So effectual were these remedies in Scallon's case, that, on the ninth evening from the attack, he was able to walk about on the lower deck, and "ho issured me," says Pary, "that he could then run a race."
'Thurday, the Sd of Febrtary, was a day not to be forgotlen. Aitwenty minntes before apparent noon the sma was seen from the Hecla's man-tiop (at the height of fifty-one feet above the sea), being the tirst time that this liminary had been visible to them since the 11 th of November-a perion, as ahready said, of eighty-four days, that is, twelve days less than the time of its remaning actually beneath the inmizon, independently of the offeets of atmospherical reftaction. Thronghont Febraary. howe. er, the intensity of the coid, instead of beiner somewhat mitigated by the rays of the sum, feeble as they were, was incrased. On the $2 t$ th a fire broke ont in the slere-house, and, in the exertions to save the valuble instrunents, not fewer than sixteen men incurred tiost-bites, the thermometer during the day being from - $43^{\circ}$ to $-4.4^{\circ}$.
"Among these there wore form or five cases which kept the patients contined fire several werks; but John Sminh, of the artillery, who was Captain Sabine's servant, and who, to. Fether with Sorgemi Martin, happened to be in the homse at the time the fire broke ont, were mbortmate enongh to suffor much more severly. In their anxiety to save the dip-ping-medre, which was standing close to the stove, and of which the $y$ knew the value, thev immediately ran out with it: and suith, not having time to puit on his gheves, hand his fingers in half an hour so bemumbed, and the mimation so ( mphelely suspended, that, on his being taken on board by 'if. Folwateds and having his hamds plumed into a basin of cold water, the surbere of the water was immediately frozen by the intense cold thus sudhenly commanicated to it ; ane notwithstanding the mos: homani and mmemitting athemtion paid to him by the medical gentlemen, it was fimul meersan-
isting of preugir, piehles, spruce beer. mustard and the winter, he if the sixth or remedies in on the attack, leck, and " ho d then run a
day not to boe rent now the (at the height first time that ce the 11th of dity four days. its remainins. titly of the ofwhout Fermuistead of being sun, feeble its In a fire liroke mins to save the en men incurthe day being
ses which kept John sminh, of nit, anal whe, toin the hemse at - enough to mil(1) save the tipe stove, and of ly rim ont with glover. had his se animation so en on bard by into a hasin of uediately trozen atted to it ; : anl, nitting itteution

- firund necessi-
ra. anme time ather, to resont to the amputation of a pant on finm tingers on one hamd and three on the other."-l'. Ahi, $11 \%$
" The appearamee," says Parry, "which our facesprosonted at the fire was a curions one, almest every nese and chork having become quite white with tiost-hites in fixe minutes alter being exposed to the weather, so that it was deemed necessany for the medical gentlemen, tose ther with some others appeinted to a sist them, to gn constmatly romod while the men were working at the tire, and to rub with snow the parts affected, in order to rowore amimation."
() 1 the lifth day of Febrary the greatest degree of cold was exprienced, the thermoneter having descend-oflo-.5.5, and remained for tifteen homrs at - 54 , the how to have been expected as the old year had closed with mild weather. On the following day Pury says, - Now whthtimbing the low temperature of the extermal atmophere, the offieres contrived to act, as usmal. the play amomeed for this crening ; but it must be confisored that it was almost too cold for either the actors ar the audiener to enjoy it, especially those of the formor who molortook to appear in femalle dresses." It is sombe consolation, howerer, to be told that there was no wind. and the severest cold has been stated to be tolerahle in a calm. In Mareh the snow began to melt, with a trmperature of $20^{\circ}$ to $30^{\circ}$ in the sm, but with - $23^{\circ}$ to - $25^{\circ}$ in the shade. Luminous arches, parhe lia, and the Amrori were frequent, Dut not particularly remakable. Toward the end of April the themometer comlimued above the freazing point in the shade for the Ereater part of two days, and abont the mildle of May the hips were once again afloat, the operation of cutting the ice round them being completed.

Pary, however, observes that it was sufficiently discommging to his hopes of a farther progress to the westwad. to preceive that, on the last day of May, "the sata still presented the same unbroken and continnous surfice of solid and impenetrable ice, amd ice that could not be less than from six to seren feet in thickness, as we knew it to be nhout the ships. When to this circumstance was added the consideration that sarcely
the slightest symptoms of thawing had yot appeared, mud that in there weehs from this perion the sum womld again bexin to dectime to the sombard, it mose be comfossed that the most simenime and enthosiastie among ns had some reason to be staggered in the expertation they had fommed of the complete accomplishment of our enterprise."

It may here be remarked that the whole of the navigation hitherto proformed had been from the 1 st of Angast, when Lancaster Somel was entered, to the 2 Gith of September, when the ships were anchored on the coast of Melville Ishund. Lientemant Pary has elsewhere observed that the month ot september is one of the most favomble for mavigation mong masses of iere hat the sheres of Melville lslam, at least, appear to be an exception-to be, in fuct, the recipionts of the greatest part of tha ice driven to the eastward by the westerly winds about that parallel, this island being the ontermost of the (ieorgian chain, and considered by Pary as hy far the worst he ever met with.

Previons, howerer, to thrir departure from this dreary, dismal, and detestable abode, Pary determined to make a journey across Melville Island to the northward, and to roturn by a different ronte. He was accompanied ly Captain Sabine, Messrs. Fisher, Nias, and Reid, a sergeant of marines, and a sergeant of artillery, together with three stamen and two marines, making, in the whole, a party of twelve. They took with them tents, prowisions, and a cooking appuratus. It was found that those parts of the island which were clear of soow produced the dwarf willow, sorrel, and popey, and that the moss was very luxmiant. On the second day they saw a pair of dueks (Amas spectabilis), and killed seven ptarmigan : sorrel and saxifrage were abmodant. They fomed pieces of coal embedded in sandstone; passed a very extensivs, dreary, and minteresting level plain covered with snow ; and this kind of ground, with occasional ravines and foggy weather, continued for three days, during which they sow not a living anmal, except wne or two tlocks of geese (Anas bernicla).

Parry, boing desirous of obtaining a view of the sea on the northern shore, took with him the two midship-
yol appared, the silin would 1 mast be comastice momor us pectation they ent of our en-
de of the navim the 1 st of red, to the $26 t h$ chored on the "ury has elsember is one of masses of ice. t, appear to be ts of the greatrd by the westbeing the ontdered by Pary
ture from this ury determined do the northHe was acisher, Nias, and bant of artillery, harines, making, took with them s. It was foumd e clear of snow poppy, and that econd day they nod killed seven fundant. They stone ; passed a ting level plain and, with occanued for three animal, except
men Nias and Reid, with a quartor-master of tho Griper. Ahor a lome and disagrobable march they came to what they considered to be the sea. Anxious, however, to hease mothing unerotain, they wathed a few handred yands "pon the iee, and endeavored, by means of a Gumding-pihe and their knives, to moke a hole threngh it in order to taste the water ; but alter two hours' lat bur they unly sunceeded in getting through two feet of we hard, brittle, and tramparent ice, more so than that of salt water usmally is. T'his did not satisty Parry, wha rebmoed to the party left behind and carried them brach with hime to the spet. The thoo was penetrated, and prosed to be fourtern feet and four inches in thiekness; the water thowed up within fifiren inches of the surface of the ict, and was lomad to be " wot wery salt;" sufficiently so, howerer, to convince them a! that it was the sea on which they were standing.
()u the gth of dune they set out on their return, killal thre ptarmigans, and saw a pair of ducks, and, two daysafor, at great mumber of brent geese, some ptarmigall. and many soow-buntings; the constant and cheerful unte of the latter reminded them of a better comery -a worse, probiaps, it would be difficult to find; it reminded them of home, this darling little bird being considered the rohin redbreast of the showy regions.* Arrived at Bushmans Cove, in Liddon's Gulf, on the westratide of Melville lisand, the party fome "one of tho pleasantest and most habitable spots we had yet seen in the Aretic regions, the vegetation being more abmant and finward than in any other place, and the situation slubtered and fivorable for game." They fomblhere a good deal of moss, grass, dwari-willow, and saxitrage, and Coptains sabine met with a ranumealus in fall fower. Thus we see that even in this, the most desolate region of the earth, the superionity of the westorn const predominates. The hanters saw and fired at a mask-ox, but dil not kill him; they saw also several golden plovars, and one or two boatswains (Lestris). On the 15th they rached the ships, and were complimented by theie shipmates on their good looks, and us appoaring in more robnst health than when they departed.

[^9]Toward the end of June 'he see oegan to move in the offing, with a lond, grimding noise, and on the 5th of . Inly the the mometer rose from $50^{2}$ to $5: x^{2}$, and on the two following days to 55 ${ }^{\circ}$. The ice in the hubor also bregan to dissolve, and was thore covred with pools of water. On the 17 th the trmprature cose to $60^{\circ}$, tho highest point it ever reached at Meiville Island. On the etth every thing was complete for procereling to sea; "the sails were bent in readiness for starting at a moment*s notice, though it must be contiossed that the motive for doing so was to make some show of moving, ratllor than any expectation I dared to entertain of soon escaping fiom our long and tedions confinement; for it was inpossible to conceal from the men the painful fict, that in cight or nine weeks from this preriod the matigable season must umavoidably come to a conclusion." Another painfal fact was, that, before the expiration of July, the approch of winter amonued itself in the diminittion of tromperature, which seldom reached $40^{\circ}$ by day, and also by the falls of sleet and snow, us well us by the pools of water frozen over in the night.

On the list day of July the whole body of the ice in the harbor was perceded to be slowly moving out, bradiing away for the first time at the points which form the entrance of the harbor.

The latitule and longitude of Winter Harbor is thus stated:

Latitude by 39 meridian altitudes . $74^{\circ} 47^{\prime} 19^{\prime \prime} \mathrm{N}$.
Longitude by dis sets of observations, consisting of 6362 linar distunces . $110^{\circ} 49^{\prime} 29^{\prime \prime} \mathrm{W}$.
Dip of magnetic needle . . . $88^{\circ} 43^{\prime}$
Variation . . . . . . $127^{\circ} 47^{\prime} 50^{\prime \prime} \mathrm{E}$.
On the 1st of Angust, the day on which Lancaste: Found had beon entered, the two ships stood out of Winter Harhor, after having passed ten whole months and a part of September and Angust in that dreary place of imprisomment. They stood along the shore of Melville lshand to the westward, occasionally ruming in near to the beach to awoid the massies of ice in motion: in onte phaer, the Macha being within twenty yards of the beach, a point of lamb, which was hined all romod with large hommocs of ice, remdered it a most dangerous sit-
move in the he 5 th of . Inand on the two arbor also bewith peols of te to $60^{\circ}$, the lsland. On erding to sea; ting ut in mo1 that the mo-- noving, ruthin of soon esיnt ; for it was infin] fact, that the mavighle ion." Anothation of July; It the diminna) $40^{2}$ by dis, well as by the
of the ice in ing out, breakthich form the

Harbor is thus
$1047^{\prime} 19^{\prime \prime} N$.
p $49^{\prime} \approx 0^{\prime \prime}$ W.
B $43^{\prime}$
${ }^{\circ} 4 \tau^{\prime} 50^{\prime \prime} E$.
ich Lancaster ; stood out of whole months at dreary place shore of Melrmming in near in motion: in a yards of the all romond with dangerous sit-
uation: and the more so as the body of the ice coming in from the westward, being distant from the ship less than half a mile, was compusid of floes intinitely more heiry than :my they had elsewhere met with during the woyere. Lientenant Liddon sent word that the (iripere wis also in a sitmation exactly similar to that of the lleclis. Where " "ippinge" appeared mavoidable if the floes should eome in. Parry desired Liddon not to join him, as there was not room for two ships, "and the chanes of saving one of them fiom the catastrophe we had retson to apmehend were greater by their being separate."

By chance, and it was by chance entirely, they escaped; lout hall the appront catastrophe taken place, which they had reason to apprehend, not a single being rould have survived the melancholy fate that most inevitahly have awaited them; nll mast have perished frem fimine and the intense cold of the approaching winter. This state of things, mod, indeed, every circmotameo commered with this abominable islind, must serve as a bemem to wan off any tuture mavigator from coming aven within sight of it, but to aroid it as the ancients did Saylla or Charyblis. It is to be hoped, and there is reasem to brliese, that Sir John Frankin's attention has becon partioularly drawn to this part of Sir Edward Pary's marmave.

The ships remained, howerer, at or nent the same place and a mass of about an acre in extent thove in and Swe the Lferla a considerable "nip," and then grazed pat her to the westward. The following day another floo rame in, "and gave the ship a heary rub." l'arry, howev$\because:$ still persevored in creeping along the shore of Melvills bhand, the ships sustaining sheh frequent and "severo rubs" that nothing short of the stoutest timber, the most sound and flexible iron, and the most judicions construction of the fabrics, could possibly have withstood these firduent rubs to which they were exposed. Persevarins. howerer, in this bemelh-sailing, generally within halt a mile of it, till they arived very nemly to the westernmont point of the island, the commander, helieving there was little hepe of making further progress to the westwad, and having exporieneed during the first hatf of tha maviguble season such a coutinued series of vexations,
disuppointments, and delays, accompanied by such a constimt sthte of dimger to the ships, firlt it mev to he no longer justifiable to persevere in a ituitless nttempt to get to the westward.

On consulting the officers of both ships, they agreed with him that any larther attempt to procerd to the watward in that paratlel would be ntugether fruitless; they also agreed in the plan he proposed of ruming back to the eastwand along the adge of the ico, to look ont for any opening that might lead them to the American continent, and, lailing to lind my such, to return to Eaghad. On the ebth of August, therefore, they turned the ships, heads to the enstward, and on the morning of the erth had passed the castern end of Melsille lishad, in an open chamel not less than ton miles wide, all hands heartily rejoicing to take leave forever of this ishand. We me told, howreer, in a note, that the island, during their stay of nearly twelve months, had afforded them the following ghanity of game: three mask-oxem, twenty-fome deer, sixty-cight hares, lifty-three grese, fifty-nime ducks, and one handred and forty-fomr $\mathrm{p}^{\circ}$ armigms, amomating in weight to three thousand seven handred and sixtysix pounds of meat : that is to say, it aftorded to cach of nimety-four men three pounds and a hatle of meat per month! the produce of an istand which is stated to excedd five thousmad square miles.

On the:31st of Augnst they repussed Lancaster Somud, and on the lst of Scptember bore up and ram along the lamd, taking their departure from the hag-staff in P'ussession loay, on the sonthenstem point of the said sound. As the whole of this coast was run down in 1818 , and partially examined, it is not necessiny to follow the present expedition in my rematis upon it; but before tho gromad be quitted on which no lesis than twelve months were passed, from Soptember, 1819, to August, $1 \times 20$, the temperature cif the air in the shate may bo noticed:

Maximan $60^{3}$, Minimmon 50, Range $110^{\circ}$.
The mean of the twelve months $+1=33$.
The lowest temperature registered on the ice was - 50 ; it did not rise above of for seventeen hours on the 1 tha and 15th of Fehruary, $18: 20$.

On the whole of this eastern coast of Baffins and Da-
cha a conto lie the upt to get agreed did to the firuitless; mining lack ook out for ricim con, Buglaul. the ships, f the :ith in an open ds heartily

We ure ring their rin the fol-wenty-four nime ducks, numbuting and sixty1 to cach of if meat per ated to ex-
ster Sound, In atong the atfi in $\mathrm{P}^{1} \mathrm{os}-$ silid sound. 1 $1<18$, and ov the presbefore the Ive months rgust, $1 \times 20$ ), be nuticed:
was - 5.50 ; the 1 th and
in's and Da-
vis's Strait they called only nt one place. ('lyders River, in latitule $70^{\circ}$ '2.2'. Here they received visits from a tribe of Esquimame, whose apparamee and combact pheased them ull very much-lisely. good natured, and chereful, with a great inclination to jump about when mueh phensed, "radering it," says Pary, "a penalty of no trifling mature for them to sit still for half mon hor together." They were decently clothed, mate and fiomate, and their chikren equally so, in well-dressed and mandy-sewn sent skins. They wrere, in fact, in ill respects, infinitely superion to Ross's Aretic Highlunders, who pulled or rubled nuses as a salutation, and usked if ships wore not living creatures. But Pary shall himiself mark the contrast:

- Copen the whole, these people may be comsindered in pos. somim of every necessity of life, as well as of most of the roultirts and convenicnces which can be rujoped in so rule a thate of society. In the situation and circmatimes in which the Fsimimanx of N. Greculath [Ros's Hightanters] are phaced, there is much to excite compasion fer the how stath to which human nature appars to be there redned-a state in few respects superior to that of the lhar or the seal, which they kill for their subsistener. But with these it was impnosille rot to experience a ferting of a more pheang kind: there was a respectial dereney in their general bohavior, which at once strack as as sery different from that of the wher mututured Espmamax; and in the ir peremos there was less of that intolerable filth ty which theso perphe aro so semerally distinguishod. But the sumeriority for which they are mest remarkable is, the perfect lanesty which chatacterized all their dealings with us. During the two hours that the men were on board, and for fome or five homes that we were subsergently among them on shore, on both which nerasions the temptation to steal from ns was, perhaps, stromg: han we cen well imatime, and the ofportmity of doing sin ly mons manting, not a single instance ocenred, to my kiowledge, of their piffering the most trifline article. It is plating to record a fact nu less singular in itoelf than honorable to these simple people,"-1'. 28.

Nothing material occurred in therir way across the Alantic, till the atiernon of the with of Cetober, when they strock somulings in seventy lathoms in latitule $59^{\circ}$ 55:'. On the Dsth they were betwern Fair lisum nud the Orhneys; on the 之9th made Buchaness, and on the H:
following day the commander landed at Peterhead, accompmied hy Captain Sabine and Mr. Hooper, whoproceeded withont drlay to Lomdon, whero they arrived on the morning of the 31 of November, $18: 20$.
"Such was the excellent state of health which we at this time continued to enjoy on board the Hecla, that during the whole season of our late navigation from Winter Harlor to the eoast of Scothand, being a period of thirtean weeks, not a single case had been entered on our sick-list, except from one or two aceidents of a trifling nature ; and I had the lappiness of secing every officer and man on board both ships (with only one exception ont of nimety-fiour persons) return to their mative comery in as robust health as when they left it, after an absence of nearly eighteen months, during which time we had been living entirely on our own resonres." I'. 309.

It is not intended here to enter into any detail of the observations made during the voyage, nor of the scientific operations carried on whenever an opportmity occurred. Nothing was onitted which highly intelligent officers and the best instruments could supply. An appendix, drawn $u p$ on a clear and well-aranged principle, contatins such observations mod remarks as were deemed of most importance. The volume itself exhibits the conduct and the character of both officers and men in the most praiseworthy point of view ; und with regard to the enlightened commander by whom it was written, it need only be repeated here, what has been said elsowhere: "No one can rise from the perusal of this work without being impressed with the fullest conviction that his merits as an officer and scientific mavigator are of the highest order; that his talents are not confined to his protessional duties; but that the resources of his mind are equal to the most ardhons situations, and fertile in expedients under every circumstance, however difficult, dangerous, or unexpected." In nddition to all this, Parry may be suid to possess the true character and spirit of a British sailor-open, straightforward, and upright ; his edncation was such as to inspire him with a love of the profession, having entered the service in 1803 , been mate a lieutenant in 1810 , and contimed to serve in that rank on the coast of America till 1817, when ho was selected, as has been related in the preceding voyage, to command the Alexander, as second to Ross.
rad, acvho prorived ou
ve at this uring the Harther to eeks, nut cept from I the hapmoth shins 11i) retura 1 they lelt ing which ources."
tail of the the scientunity oeintelligent

An apprinciplo, re deemed hibits tho id men in ith regurd is written, said elsef this work ietion that - are of the ned to his f his mind fertile in er difficult, II this, Par$r$ and spirit ud upright ; In a love of 18u3, been to serve in 7, when be ceding voyo Ross.

On the present voynge he was most cheerfully and energetically obeyod and assisted by wll his officers in both ships: and, in addition to the ordinary serviees which navigation and mutical astronemy require, he had the lenefit of Captain Sabine's valumbe mad cordial co-oparation in carrying ont a series of experiments in a branch of seifene memmede with any that regards navigationthe swinging a pendulum for aserertining the erliptie ity of the earth. Captain Sabine, being a comection of Mr. Henry Browne, of Porthad Place, had umestricted acciss to that gentleman's observatory and valuable collection of astronomical instrments, some of which wero suppled to the present expelition; and the practical use of them was well known to C:iptain Sabine. In the tpprondis to Commanler Parry's narrative we find the eaptain joined with other officers in making ofservations on the dip, the varation and declanation of the magnetio needle; in ascertaining the latitudes and longitudes hy thermometers jointly with Pary, Beechey, and Hoopir: and lunar observations taken at Winter Hablor and at sea with Parry, Beecher, Hooper, and Ross, anomithig to the extraordinary number of six thousand eight hundred and sisty-two.
Sabine, in addition to all these, describes (in the appendix) the subjects of matural history collected in tho three classes of mammalia, birls, and fishes. But tho most important will probubly be considered that of No. ${ }^{-}$" An accout: of the experiments to determine the arceleration of the pendulan in different latitudes," which would appear to have been the joint labor of P'ary and Sabine. "The accidental discovery," it is suid, "that a pendulum, on being romoved from Paris to the neighborhood of the equator, increased its time of vibration, gave the first step to our present knowledge that the polar axis of the glole is less than the equatorial, and that the force of gravity at the surface of the "arth increases progressively from the equator toward the poles." In the present instimee two cloeks were used in those experiments, being the property of the Royal Society, and the same which necompaniod Captain Cook round the wordd : and the resoltt is stuted to be, that the mean daily acceleration of the two clocks
was seventy-form thonsind soven handred and thirtyfon vibations, which is comsideped as the tran aceederation of a pendulam betweren the latitudes: is " $31^{\prime} 00^{\prime \prime}$ (London) and it ${ }^{\circ}$ 4i $14^{\prime \prime}$ (Medville Island): and the dednction, which wiss obthined tiren the result of the ueceleration between London and Melville lshand, gives the dimination of gravity fiom the pole to the equator to be -0055:5x; and this decimal gives for the ellipticity of the earth, $\frac{1}{312.6}$.

But as Captain Subine in tho yenr 1821 (the next following that of his arival in England) ambatiod on a most molnous madortabing to investignte the last-mentioned subject in high latitules, an accomet of his voyages und operations will be resumed hereatier.

It may perhaps be dermed presmmptuons in a lundsman venturing to difier fiom so expert and complete $n$ semman as Commander l'urry; but it is moler a comviction that he will not be displeased at, but take in good part, a few desultory remarks, thongh not exacoly correspondent with his own opinion. "Onr axperience," he says, "I think has chemby shown that the mavigation of the l'olar seas can never be pertormed with any olegree of certainty, without a continuity of lanil. It was only by watching the occasiomal openings between the ice and the shore that our hate progress to the wostward was effected; and had the land continued in the desired direction, there can be no guestion that we should have eontimed to advance, however slowly, toward the comphetion of our anterprise." 'The objoction about to bo offered is not to the " slow udvance," but to the chance of no advame at all, and to the extreme hazard of tho loss of the ship and crew, which had nearly happened in the present instamce, and did actunlly happen to tho ship on a future occasion, by a aip, or rub, or pressuro between tho iee and the shore; to say nothing of the constamt aprehension, the anxiety, mudincessunt threatening of momentary destruction, which occurred along the whole coast of Melville [sland, and the fierquent "rubs" and "nips" which both ships experienced between the sea ice and the shore ice, when nothing but extreme whtchfuness and good management conld $p$;sibly have saved them from being crushed. Instead,
ad thirty-accelera${ }^{3}: 31^{\prime} 08^{\prime \prime}$ : and the ult of the lund, gives 1e. crplater ellipticity
e next folrked on it last-menhis voya-
in in lands:omplete a ler a conthe ing good xactly corprience," mavigatiom ith any thei. It was weron the - wostward the desired hould lave d the combout to be he chance aril of the happened pen to the r pressuro ling of the ant threatared along re freequent ienced heothing but could p; s-

Instead,
therefore, of having to "wateh the accasional openings betwern the ice and the shore." would it not be more desimble to awoid phacing the ship between the iee mad the shore? to kerep as liar as pessible from the shore, and trost to an open sen, free from land of any kind, astll with the usmal gumatity of bose iee, hommoes, of Hoes? A ship, it is presmined, may always make here way through such a sen with little or mo danger, as is weil hown to the whale-fishing ships, which carctully aroil coming near min ier-bound coast.

Against wintering in the ice there are numerous ohjections, thongh the detention can not always be avoided. One of them, but perhaps the least serions, is the wiont inconsenienee an! discombort which the officers and crew must mavoidably be subject to, without any chance of compensition by carrying ont the objects of the expe-dition-withont hepe of therehy admacing discovery or soogmphical knowledge. And althongh the hardships of wintering in the ice have beenshown, on the present oecasion, to admit of mitigation, when they happen under so able and discreet an offierer as Commander Parry, whose resourees are inexhanstible, it may fall to the lot of mother, whose mind is less fertile in expedicots (1) soften them. Another objection may, perhaps, ho maisod against the danger that is likely to be incurred; but this by caution and attention may generally be provided against. A third, and one of the first importunce in most cases, is the utter inutility of wintering in the Arctic seas; for no harbors are known that are not filled with ice for eight or nine months in the year. and the ship most be secured in ice that is already thick and from by the close of the season, generally making it necessay to cut a canal, at an immense labor, so is to be flonted to a place of safety ; and it is most likely to happen that, hefore she can be got out again, the following season is so far expired, that all the service she can then undertake is to get home, with the loss of a year.

After ill, it is but a choice of evils, to winter or return when the first obstruction commences. In that portion of the globe in question, a short passage home is next to certain, whether beset in the ice or in an open sea, as the
wind is ganernlly favomble for a somhern woyge, fud the current nlmost ulwas so; but it may hupren that no. choier is left, and then to winter has leecome a motere of necerssity ; und Pury las lain down mu ndmimble conle of instructions for my one reduced to that emergency.

## CIIAPTER V.

commander claverivg and captay sablec, ral.

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1899-1823.
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1. Journal of a Voynge to Spitzhergen aut the Fust Coast of Girectiant, in Mis Mrijesty's ship Giriner, D. C. C'tavernsi, Esif., Commanter.
2. An Areonut of Erperiments to determine the Figure of the Warth b!y mettes of the lemdulum vibrating seromls in lifferent latitudes; as well as on some other sulijucts of Phit. osophical Inquiry. By Ledwamd Samse, Ciptain in the Royal Artillery.
Ir was considered expedient to introduce a brief notice of this voyige mmong those speciully sent into the Arctic regions for the purpose of discovery, and for two reasons: first, that Commander Chavering was to be ordered to procoed to Spitabergen, and thence to the east coast of (ireomland, und that on the latter he succeeded in reaching a higher degree of latitude than any former or subsequent navigator had effected; and, secondly, that he carried out, first in the Pheasant, and then in the Griper, Captain (now Lieutenant-colonel) Subine, who, very shortly after his return from tho first voyage of Parry to the Arctic Sea, recommenced that series of observations on the length of the seconds' pendulum which were made in the Hecla.

Captan Sabine, impelled by the zenl and love of science for which he is distinguished, hastened to proceed, in the first instance, to Sierra Leone, in the Iphigenin, on the sed of February, 1822, and completed his pendulum experiments there in April. Sir Robert Mends there assigned the Pheasnnt to convey him to
re, nund the "I that mo matter of rable code rergency. onds in dif. rets of Phil. ptain in the
a brief noent into the $y$, and for ing was to ence to the fer he sucto than any ; and, seconsant, and nint-colonel)
from the ommenced he seconds'
nd love of ied to pron the lphinpleted his Sir Robert vey him to
the several Xthatic stations where he was desirons to swing his pemduhm, mosily in the Wast ladies and to the sumthward of tho lime, as fine as $A$ eremsiom.
('namanafil Cavfiliva, of the Phensumt, was an allicer well versed in the sciantifice duties of 11 mavigator, and a friendship was speedily formed betwern the two whicors that censed only with the death of the suilor, which hupened when, in the yenr 18.27 , he commandod the Redwing, which ship sailed from the en st of Atrim, math. being never ufter heard of, is supposed to have fomadered, and all on bomed to have perished. It is stated by Mr. James Smith, the editor of the voyage, that such was the able aud zenlous manner in which Commmoder Chavering co-opernted with Captain Sitfinm, that the latter was not only enabled to make the oberrvations at every station in the most satisfaremry minner, but withont the slightest medent aver having tahen place in moving the momerous und deliente instroments to and from the ship. The observations being completed at Siemu Leone, the phees next to be visited were the Ishud of St. Jhomms, Ascension, Bahin, Maramham, 'Trinidad, Jamaira, and New York; to all of which places Coptain Sabine was conveyed in sucersion by the Pheasant, and made his peadulam ohservations at each of them in a manner satistiactory to himself: and those observations were published by the Board of Longitude, and will brietly be noticed here. The two officers, it is said, executed a valumble mod exfonsive series of observations on the direction and force of the equatorial current.
lmmediately atter the arrival of the Pheasant in lingland, on the 5 th of Febrary, $1 \times 23$, Cuptum Sabine sugersted, throngh Sir Humphrey Davy, that the axfrosion of similar experiments would be desirable if carried on in high latitudes, and that he was ready (as he ever is when the calls of seience require it) to undertahe this service. The Griper, gun-hrig, was approprinited forthwith for that purpose, and on the 26 th of February Clavering was appointed to command her. The phin of the voyage proposed by Captain Sabine was, to proceed in the first instance to Hammerfest, near the North Cipe of Norway, about the Tuth degree of hati-
tude: thence to a second station, in or near the F0th parallel, on the northern const of Spitabergen; afterwari to moke the east const of direconama, in as high a lutitude us the hurrier of ice, which rembers that const difficult of necess, would permit, mad hasing got within the barrier, to ascend the eonst to the northward as far as might be compatible the same year, in order to obmin athird pendulum station for Cuptain Sabine's experiments at the highest degree of latitude that might be there attained.

He was then to return to the southward, and if Captam Sabine should wish for a fourth station on the coast of Iceland, he was to use his discretion, according to the state of the wenther and the time of the your, to stop at that island ; if not, a fouth station might be sought elsewhere, in or about the same parallel, and ufter that in retmen to England. The equipment of the Griper boing completed, and the magnetical pendulnm, with the various instroments for ustronomical and other scientific, purposes, heing embarked by the second week in May, she sailed from the Nore on the 11th of that month for Hammerfest, where she arrived on the 4th of June.

This place, built on a small island named Qualocn, or Whale lshand, is said to consist of ubont a dozen honses. The bay is small, but the anchorage good and safe ; the only provisions to be got here were reindeer, which were cheap; the trade is entirely in fish and oil. The natives are described as kind and hospitable, and were pleased at the idea of a visit from even such a small man-of-war as the Griper. The women are fair and pretty, and dress much like our own : remote from the civilized world, they mre untuinted by either its vices or its wants. Morality and religic strictly predomivate, and deviations from either are rare. Mr. Crowe, an English merchant, who acts as consul, resides here, and paid the visitors much attention. The hatitude, $70^{\circ} 40^{\prime}$; the dip of the needle, $77^{\circ} 40^{\prime}$.

On the 23d of June, Captain Sabine having finished his observations, the Griper pui to sea the same evening; on the 27 th, fell in with the first ice of Cherry Ishand, in latitude $75^{\circ} 5^{\prime}$. a gale of wind then blowing; saw Spitzhergen in the evening, and fell in with a great
ar the roth ren; nfter11 as high a that coast got within ward as far rder to obme's experat might be
and if Capon the coust rling to the $r$, to stop at sought elseefter that in iriper being with the vaer scientific: ark in May, it month for of Jume.
Qualoen, or ren houses. al safe ; the leer, which d oil. The , and were uch a small re fair and te from the its vices or redominate, Crowe, an s here, and le, $70^{\circ} 40^{\prime}$;
ing finished smme evenoff Cherry n blowing; vith a great
mumber of walroses. On the 30th rommed Hakluyt's Headland, anchored abreast of a small islame, one of the innur Nowers, and the same on which ( $n$ phin Phipps mad his observations in $177: 3$; disembarked the teats and instrmments, and sent parties on shore to erect them. 'liwo reinderer and a walrus were hilled on the neighburing istand of V'ogel Sang. From hence Commander ( 'avering determined to push as fine to the northward as he could. while Captain Sabine was carrying on his problum observations, leaving here for his assistance a party of six men under the command of Mr. Fooster and Mr. Rowland, ussistant surgeon, together with his hanch, and six months provisions and furl, to carry them to Hammerfest, should any acerdent happen to the Gripur in her absence. He sailed on the oth of Joly, and ran dus morth twenty-five miles from C'loven Cliff; fomm himself embayed anong the ice: and on the bth the ship struck against somothing, which throed out to in ice. 'This was diseowered on the forg dispersing, when a field of pached iore presented itselt to view, expomding east and west as far as the eye could reach; the batude observed was $80^{2}: 20^{\prime}$, which was the most northarn obtained, for, having shirted the margin in a line member west for about sixty miles, and finding it trenting (1) the sonthward, and everywhere chosely packed, and freceiving no appearance of an opening or of clear water, it was deemed useless to proceed farther, and the (iriper retmed to thes station, which shes reached on the llth of Juls.
('aptain Sabme having completed his operations-a party having killed about difty reindeor, as a supply of trosh provisions, and every thing being ra-embarked nia the 3 ed of July-on the efth they put to sea, and sterered $\therefore$ S. Fir the castern const of (ireenland, a comese that would bring them to diael Hambes Bay, in about the latitule of $74^{\circ}$, this bring comsidered as the highest mint known to the north on that eonst. After many imperdiments from fields of ice, they reached, on the cth of Inenst, a tolerably open chanmel betwern the ice and the coast, and sent a boat on shore at a point which was mamed Cape Boblase W"arron; "than which," ©labring says, " never was there a more desolate spot
seen; Spitabergen was, on the whole, a paradise to this phace." frocereding along the coast, among thees of ice, they discowered two islands, to which they gave the name of the Pendalum lshands.

Clavering passed them, and stood on to the northward till stopped by ice; and he had now reached what he considered to be the N.E. point of Greentand, formed by inn ishand, in lat. $75^{\circ} 12^{\prime}$, from the heights of which condid plainly be seen high land, due north, ut least as far as lat. fi $5^{\circ}$. He named the island Shamon Island, and the S.E. extremity Cape Philip Broke. "from the ship it was my good fortme to serve in, and under her gallant commander here maned."

Getting under way, the Griper returned to the sonthward in a narrow chamel close to the shore, on which she grounded in $2 \frac{1}{2}$ fathoms; was got off by lightening hor: anchored in a sheltered bay between one of the 1'endulam Islands; lamded Captain Sabine, the ohservatory, tents, and instrmments: and prepared the yawl and whery for a distant excursion, while Sabine was employed in his pendulam experiments. On the 16th of Angust he set ont, taking with him three officers and sixteen men. They landed on Cape Borluse Warren, about eighteen miles to the southward, with each a boatcloak and a blanket; slept in them, and fonnd no ineonvenience from the cold ; and this was contimed for twelse nights, the temperature not lower than $23^{\circ}$. Were they found traces of natives, and several graves. Procceding up an arm of the bay, which runs inland, a tent of seal skins was found on the beach, and twe natives appeared on the heights. They were at tirst rathor shy, but, hy degrees, acquired contidence. Thery appeared not to differ in any respect from the common race of Esquimatu: the whole tribe amounted but to twelve. Their surprise was roused only by witnessing some of the crew firing at a mark with muskets. A pistol was given to one of the matives, who fired into the water; the recoil startled him so mueh that he immediately slunk away into his tent. The following morning, being the third, it was found they hand all departed, learing every thing behind thenin; their sudden retreat being no doubt occasioned by their ularm at the firing.
paradise to among thees h they gave
e northward what he com1 , formed by which conlid as far as lat. mul, and the a the ship it r her galliant
to the southre, on which by lightening an one of the the ohservathe yawl and me was em, the 16th of offieers and lise Warrel. 1 each a be:tand no incemcontinued for er than $2: 3{ }^{3}$. weral grawes. runs intand. a and two naa at first rath-

They itpthe commonn bunted but to y wituessing kets. A pisiired into thi" the immediFing mornint. cparted, leanretreat being firing.

The party had now advanced to an extensive hay, or, rather, an inkul basin, whose ciremmerence could mot, be less than tilty miles. It was perfectly free of ice, not one piece being visible in this immense she of water. Clavering thinks it the same which was discovered ly Gacl Hamkes in 1654, an) which bears his mame. In an inket from this bay, the momtains on both sides were of a great height, ending in immense ghacier... at least 5000 feet high. On the e9th of Angnst they rearhond the ships, atter a fatiguing absence of thirterm duys. Gu the following day Captain Sabine concluded his ibservations, the tents imd instrments were re-embarked, and on the 31st of Augnst the Criper got under way. The latitude of the ohservatory on Pendulum! dand is 7t $32^{\prime} 19^{\prime \prime}$ N., longitude $1 \pi^{\circ} \dot{\circ} 0^{\prime} \mathrm{W}$.
The shore to the somthward contimued abont 3000 fret high, along which the ship proceeded in a chamuel of clear water, the ine being five or six miles from the shore. Abont Cape Parro however. latitude into , in a marow lame of water, two floes suddenly closed tosether, and tho tongues projecting beneath (adres they are nsully called). pressed the (:riper botween them and lifted her abaft considerably out of the water. She gnt eldew without much damage: but the ice was hanging about Cape Pary so chose to the shore that the commander wisely stood out to sera, and on the 13th of Srptember the Griper finally quitted the comst of Greenliand. the whole line along which they had sailed being from s000 to 3000 freet in height, with momutins in the iuterior perhaps double that heright. A viohnt gale came on, mid the ship was secmeed to a mass of iee : received several severe shocks; the hawsers mud strean cables gate way: ulso two chain cables and two large hawsers; the wale increased, hare mases contimally rolled int; the pressure berame so violent that the whole of them parted before lay light. "Otr sitmation," says the commader, "was bow a most anxions one: the gale comtinued with mabated violence, and the ship, drove to :he, southwart mong loose ice and henve flows, which, from the dirkiness oi th.e night, we could neither see nor awoul." The admirable mamer, he says, in which the biate Griper had been strengthened, allowed her to bear
the severe shoms without being injured; the heaviest shocks she refei"ed must have linocked a (ireenhandman (1) piecers.
'i'he gale contimins, hrove them to the somthward,
 Nomary in latinule $6: 3^{\circ}$ i55'. On the lat of October the Giriper struck hard on a smben rook, and got off modamaged: an the 4th entered Jemithein Fiord, and on the fith anehomed in the harbor ; and "we were reresped." siys (Clavering, " with the greatest kimdness and hospibality." Captain sabine having completed his experimonts here, the (iriper proceeded down the fiond on the 13th of October, was detaned in the marrows till the 1!nh, and uqain windbound till the Bd of December, when sho was liberated, and reached Deptord on the 19th of that month, 1e:3.

We mone proce to give a brief account of Captain S'ahine's labors.

The volume of C'aptain Sabine, from which the following motiee is taken, allords ant extmordinary instance of personal and mental application on distant vogages and varions climates within the Tropies and the Aretic regions, and of intellectual exertion and industry not easily to be paralleled. It consists of more than tita homdrod pages of ohservations, carofully urranged moder varions heads, madr with tamsit instrmments, chronometers, clocks, and pendulums: containing, besides, mumpons experiments at the sereral stations tomehed at by Commander Clavering, as already moticed, amoming to eight in mmber on the two sides of the Athantic, at each of which the dinef amthoritios manifested the utmost reatiiness to aftord every assistance, both in one own eolonies and it phaces belonging to foreign powers.

Any attrompthere to explain them would give but litthe notion of the labors successfully accomplished by Captain Sabine: the tables dretailing the several kinds of observations must be sech in order duly to mproceiate their importanere, to say mothing of the calculations meressiry to arrive at the dednetions and conchasiens which have resulted from them. The observations may be stated to commrise a series of six in number at each sta-
o heaviest conhurdman wuthward, ce coant of ctober the offi undan!and on the received," nud hospihis experitiond on the ws till the mber, when the 19th if
of Captain hathe followinstince of voyages and 10 Arctic rery not casily five homdred nider varions romometers. $\therefore$, numerous at ly Comnting to cisht $\therefore$, at each ol uthust reatiown colonies
give but litmplished by peral kinds of to appreciate - whations nerhusiens which imis may bo $r$ at each sta-
tim: No. 1. Times of transit of stars, to ascertain the rate of the cherk: No. 2 . Adjusiment of tolderope to tho sume vertical phate: No. 3. Daily rate of chromometrers from preeeding trusits: No. 4. ('onoparison of chromomaterand elock at exact intervals: Nos. 5 and 6 comprise an areome of the conincideners in the domble series of each perudulum. Each table, of comrse, oce oupied sereral days.
The Phasant left Sicrma Leme pirly in Aprila and arrived at New York on the 10th of December: commanced observations on tie ged, and concluded on the ed of Jan., lese3, in the last two of which sathe lime a co-mperator. The ohservations were carried on at Columbia College; and Captain Sabine says. "1 must ever derm myself to have beem most highly fiertumate in the asuctation which it procured me of the Profiesor of Xillmal and Experimental Philosophy and of Chemistry, Mr. Anmes Remwiek, whose interest in the experiments was so strongly excited as to induce him 0 give me his muremitting co-operation, a circumstance peenliarly desimathe nud satisfactory on an occasion in which the results may hereafter come in question, in the comparison of the standard measmements of the two comntris."
On the :th of Fehruary, 18:23, the Pheasant arrived at Portsmonth, and Captain Sabine had the satisfaction off tinding that a letter which he had written to Sir Hhmphrey Dary from Marahlam, proposing the extension of the oxperiments to the high latitudes, had met the approbation of the Commissioners of Longitude : that Land Hrville's consent had been oltained fir the employment of one of his majesty's ships in its prosecution: and that the Griper sloop of war, which had heen enguged in the expedition of $1819-20$, would forthwith be commissioned by Commander Clavering. The interval, howwer, of the Griper's equipment was occupid be Captam Sabine in repeating the trial of the pendulums in Portland Place, to ascertain that they had madergone no altration in the course and by the events of the precediug varage.
The process of these experinents, the preparation of an apparatus for the clock and pendalum, and providing coser and protection for the instruments, which exprience in the Northern expedition, and particularly at I :

Melville Island, had tanght Ciptain Suhine to be necessary, were sinmaltaneonsly completed with the equipment of the Griper. 'That vassel left the Nore on tho 11th of May, mod arrived at Hammerfest, the place dosignated by him as his first station, on the 4 th of Jume. A spot was selected for the ohscrvations at Fugleness, where Mr. Crowe, a gentlemith at the head of a large commercial establishment, resides, and who gave every possible assistance and attention to the party. Hero Cuptain Sabine repeated the same routine of observa-tions-the transits of the sun and stars-the determinntion of the rate of chronometers by zenith distancesthe coincidences ohserved with two pendulums. Theso were ull completed by the $i 3 d$ of June: the instrments embarked, and the diriper arrived at Fair Haven, on the coast of Spitzhergen, on the 1st of July.
'The Griper anchored at ono of the Norweys, which forms, with the coast of Spitzbergen, the harbor of Fair Haven. Here the experiments proceeded without interruption, being the same series as that practiced at Hammerfest, and were conchuded on the 19th of July. From hence Captain Sabine, being desirous of preserving unbroken the contimuity of the account of the pendnlum experiments, proposed that no time should be lost in proceeding to a proper station on the east coast of Greenland, which the Griper successtully aceomplished in a higher latitude than is recorded to have been proviously traversed, namely, between the 74 th and 75 th degrees, in the second week of August. Being stopped, however, soon after he had passed the 75 th parallel, and the season advuncing, he returned along the coast to a harbor of safe anchorage in latitude $74^{\circ} 30^{\prime}$, which ho had noticed in passing to the northward. Here the Griper was anchored, and became the station for conducting the pendulum experiments.

This harbor is formed by the channol which separates the main land from an ishand, on which the experiments were made, and which is sccured from the access of heavy ice from the ocean by a smaller island in the midchannel of the contrance. 'The group, of which theso islands form a part, consists of two nearly of the same size, and two others much smaller, being rather rocks
, he necesthe equipthe on this place desho of June. Fugleness, 1 of a large gave every ry. Here of observa-determina-distancesmis. These instruments Haven, on
weys, which e harbor of oded without practiced it 9 th of July. s of preservof the pendnhould be lost cast coast of accomplished ve been preth and 7.5th eing stopped, 1 parallel, and he const to a 30', which he Here tho ation for con-
nich separates - experiments the access of ad in the midwhich these of the same rather rocks
than ishands: they extem from the latitude of $74^{\circ} 30^{\prime}$ to that of it ' $42^{\prime}$, and were distinguished by the officers and seamen of the Ciriper by the appellation of the Pendulum 1-bauds. It had been the intention of Captain Sabine to make Reikiavik, in Feeland, the concluding station of tho peruduhun experiments in the high latitudes: but when the 17 th of September had arvived, before they fomad themselves finally disengaged from the Greendand iecthe seavon of navigation dratwing to a close-the antumnal sales inready commenced, and the nights above sixwen hours long-it was deemed not prudent to risk the approach to the const of Iceland. It was, thereliore, thonght preferable to recross the Northern Ocem, and to serek a pendulum station on the const of Norway, nearly in the sane latitude as Reikiavik; and Drontherim appuring to be the most eligille for the purpose, tho (itiper arrived there on the eth of October.
Captain Sabine says, "it had been the grod fortme of Captain Clavering und myself to have experienced at rach of the inhabited stations which we had visited the most marked hospitality and kindness, but at none were our obligations in these respects greater than at Dronthaim." Among others, he mentions the governor (C'ount Trampe), Mr. Schuitler, the British consul, and Alr. Kimutson and his amiable family, from whom every Englishnan that visits this part of Norway is sure to met with a kind reception. Levery assistance was affirted toward the accomplishment of this last series of "xperiments, and they were enabled to weigh anchor at Droutherim on the 13th of November: but, owing to viwhent gales of wind and yery bad weather, the Griper did not arrive at Dept fiod till the 19th oi December, $18: 3$. Captain Sabine says, the buisterous weather they had was accompanied by very vivid lightning, which is particularly umsual in high latitudes in winter, and by the frepuent apperame and contimume, for several minutes at a time, of balls of fire at the extremities of the yard arms aud mast heads; of these not less than eight were combed at one time.
All the experiments were carefully gone over in London, and examined by the Council of the Royal Society and Board of Longitude, with other individuals most
convereant in these obsemations, with the calenhations for determining the variations in the lemgh of the secondse penduhme, from whemen the tollowing gemeral deduetion is drawn for indicating the ellipticity of the earth, which is all that com be given here, the vations calenhations mad the experiments orenperg a harge volume. The result then is : $: 39 \cdot 015: 0$ ine hes is the lemgh of the equatorial pendulam; ( $0 \cdot 30 \cdot 2.5$, the increase of gravitution between the Equater and Pole ; and he ellipticity $\frac{1}{2}$. 'That dednced from the increase of gravitation betwern Lomblon and Melville Istamd was $312.6^{\circ}$
'Thms, shes ('aptain Sahime, "the attempt to determine the figure of the earth. by the variations of gavity at its surfuce, has heren carriod into full exrention on an are of the meridian of the greatest aecessible extent, and the results which it has produced are sean to be remsistent with each other, in combinations too varied to atmit a probability of the correspondence being accidemal." 'They are, in fact, the combinations of Captain Sabine's 13 stations: of the French savans' $\&$ stations : of the British survey, 7 stations: making, in all. ar stations.
'This result, however, of the ellipticity " 'litters,' says Sabine, "more considerably than conid have been expected from $3 \overline{8} \frac{1}{8 \cdot \sigma}$, which had been previonsly received on the anthority of the most eminent gremmetrician of the age, as the concurrent imdication of the measurements of terrestrial degrees, of pendulum experiments, and of the lunar inequalities dependent on the ohbateness of the earth."

The success that has attemed the experiment of investigating the figure of the eath by means of the pendulum, eneomages, as Captain Sabine thinks, the belief that an equally satisfactory conchsion, and one highly interesting in the eomparison might be obtained by the measurement of terestrial degrees; that is to siy, by an actual measurement of a legree of the meridian. This has, in fact, been done in various parts of the world, but centuries ago, when the instruments were interior, and the mode of their most ndvantageons employment less moderstood than at present. In India in are has recently been measured, and one of an old date at the Cape of Crood Hope remeasured; but Captain
cilculations of the secgrineral decity of the varions calrge volume. -ligth of the I sruvitution ticity min hetweril
it to deter1s of gravity :ution on in extent, and to be cont aried to allatecidental." tin Subines mins: of the stations.
lifters,' says wherex exsly received netrician of (. meanimexperiments, o ollaten'ss ment of inof the pens, the belief one lighly fined by the sto say, by meridian. arts of the nents were ageoms emlin Smlia :in an old date put Captain

Saline paints ont Spitzhergent being near to the Pollur antronty of the meridian, "us the land of most comsonient arerss in cither hemisphere." Hor says:
-. The areese to all parts of the interior is greally fiecilitated

 of frozen over, as in the carly part of the semem, or orn on to mavisation, is in the later months, firm romes of commmientime suited to the safe comserane of instruments, cither in Nutece or luats: the fiord, in praticular, which orparates the wintern and mastera divisions of spitzheryen, wembld be of anal avail: it extrods in a due nurth and sumh direriom fin athere $1: 0$ miles, with a brembla varing fiom 10 to 30 miles, athl commmicales at its mortheron extremity, bey a short pars-



 level of the occan."-1'. Bis.

Ho alds. what is very true, that the measurement of apmotion of the merintin is one of the many experimentall impuries beyond the reach of individual means to are (оmplish.
'This offierer, indefatigathe in the pursnit of practional seimer, writes, in Febrmary, $1 \times 2(f$, to Mr. Davies (iilbert on the subjeret, emfioreing the phan lay alditimal proofs of its practicalility, and officting his sirvieres: "Should the Comocil of the Reyal soeinty time that I could be advantageonsly employed in comblueting such an investigation, my services, as you well know, wre at thair commmul."

Ha has, however, been reserved for a more laborions aul not a less important task. The grographical determination of the direction und intensity of the magnetic forers at difterent points of the earth's surfice has been regarded as moblect worthy of esperial research. T'o damine, in ditierent parts of the globe, the derdination, inelination, and intensity of the magnetic fiorere, mind their perionlical and secthar variations, and murbal relations and depondencies, eould only be duly in atigated in fixed magnetical observatomis's. On ibre (ontinent some such ubservatorics were established, to which. in the year 1836, the attention of British philosophers was
specifically drawn by a letter from the Baron von Humboldt to the Duke of Sinssex, then President of the Royal socioty. In consequence thereot, observatories for this special purpose were established at Greenwieh, Dublin, Canada, Hobmrt 'Town, St. I Good Hope, and other places. The observations mado ut ' l'oronto have been received, exmmined, and printed, under the superintendence of Lientenant-colonel Subine -a work of extraordinary care mad labor.* He has undertaken, besides, to examine and armange the rest as they come in, which it is expected will be in the conse of the present yemr, 1845. The volume now printed is introduced hy un able and well-written preface by Colonel Sabine.

* Sce note in Introduction, p. 17.
von Humlent of the servatorirs ireenwich, 1, Cape of tions mado nd printed, onol Sabine * He has the rest as the course v printed is ace by Col-


## CHAPTER VI.

## captain parrios second voyage.

1821-29-23.
Journal of a Second Voyage for the Discovery of a Northurst P'assage', from the Allantic to the Pacific, in his Majcoty's ships Fury and Hecla.
Tur two vessels appointed for this voyage were strong and well-built bombs: the Furv, of sis tons, and the Hecha. 375 tons; commanded, officered, and manned as under:

F"Ry.
W. Eilward 1 ary, Commander. Goorta Fisher, Chuphan mel Astromomer.
$\left.\begin{array}{l}\text { Jowiph Nins, } \\ \text { Sndrew Ihtid, }\end{array}\right\}$ Lientenanta. Abla Edwards, surgeom. W. Harwy Hooper, l'utser. dimmeskeoch, Assist. surgeon. Joha Ilemurriont, $\left.\begin{array}{l}\text { Fr. R. M. Crozier, } \\ \text { Jis, Clarke Ross, }\end{array}\right\}$ Midshipmen. Jas. Clarke Ross, John Bustmm, Assistant Sur veyor and Midshipman. James Hulse, Clerk.
Fomicers.
F Wiarrant Onlicers.
11 Prtty Otficers.
论 Mher samern.
\& Marines (inclnding 1 Sergeant).
00 Total on bourd.

Mecla,
Gro. Francis I،yon, Commander. Han. Perkyns Iloppher,
Charles Pilmer, Lieuts. Aloxander Fishinr, Surgeon. Joln Jarmain, Purser. Ahan M•Laren, Assist. Surgeon. Joweph sherer, Charles Richards, Milship$\left.\begin{array}{l}\text { W. Nidson (iritliths, } \\ \text { lidward Mird, }\end{array}\right\}$ men. William Moger, Clerk
$\overline{11}$ Otheers.
Jowph Marklin, Gunner. doseph lilly, Dont-wain. Charles liurtur, Carpenter. George Fiti, Greenland Master. Alexander Eider, do. Nate.
$\overline{5}$ Warrant Oticers.
11 Petty Otheers.
124 Able seamen
7
58
Marines.
T'utal on
$5 \overline{5}$ Total un board.

George Francis Lyon was a smart, elever lieutenant, at first appointed as acting in the Bervick by Sir Filward lellew; he was wounded in an attack marle on that ship's boats, and had his commission confirmed to her in 1814 . He was then appointed to the Abbion, and was in the battle of Algiers in 1816. Being of in adventurous turn, while he was serving in the squatron under Sir Charles Penrose, he asked and obtamed per-
mission from Sir ('harles to join Mr. Ritchire, a erontle-

 having it mond ollore to nerompany him. Ritchice ded


 ciptain-a rank which, it njperss, ho mominally cimeded
 ment to the Dheda he recoived the rank of commandere. anid on the return of the ships in $18 . ? 3$ was mised to that of (a引tain.

Many of the oftioers who had served on the first boyage were rmployed on this: I lomensen as lientenant of
 t:on. as liemtemme of the Iheda. Phe midshipmen Niss


 "arh comtimed, as did Allison and Crawtiond, the (imenband mastor and mato. in the servicer, and ahoard the Firys she had also fomm midshipmen: two mew onts.



C'mmander Parry observing oll the hate expedition a larse inlet, not lass han ten legumes wide at its mombla, gpening oblt on the southern comet of Bameows strat. asd extembing somblomly, with an inelimation to the westward, ban the ships into it, and comtimed to the somblawd about me hambed mud womty miles. 'Thas sommdings wore fomed to be two handred finthoms and "pwand. 'The elasemess of the ice, howerer, to the sumblarst indured him to rethen to the mothwird: hat his impression was, that this strait might lead to the coast of America, and that the east mat west hamks which enclase it wree probally ishands: and he says, - () 11 an inspertion of the charts, I thimk it will also appear probable that a commmanation will one day be found to exist betwern this intet and fladsonss Bas, either throngh the broad and maxploned rhamel called Sir 'Thomas Rue's Wracome, or throngh Repulse Bay, which has not yet been satistactorily exammed. It is
atwilla。 arink，mad －sirnils of chine diont michoderl． ；tine lic 11 ． II titk of lly a
 m！mumin． ard to that －lirst ver－ utculatil in
 ！i！いい Nin the Furs， 11 wipe as ，the clerk， the（imeron－ alward the How ollos． sidnes Roses ine voyser xpedition is it：month． w？s strait， ion to the nird to the ilus．＇The thomes nul rir，lo the wand：lint rial to the west lamls （1）he sis！s． －ill also me day be lson＇s Buy． anime aillind pulse Bay， ned．It is




 ，19 ：
 an Commander larry peinted ont what apporared to bo



 woll was signed uppointing him comminder of the limy，
 printed commanatore of the It Ineda．

Ifs majasty having，on tha representation of Lamed




 He was then to promeme to the westward throngh that amit matil he should reath，rither in liopulse biny on oll sume wher part of the shore of Hadsons Bay do the mith of Wager Rivrr，some portion of the coast which lae shonld feod comsinced to be a purtion of the emotinent of Amariar．Fuiling of this，ho was thon to korep along the lime of this roast to the morthware，always examining
 ${ }^{1}$ practiabla prasiger to the westwatel，in which direce
 to limd a way from the Atantie to the l＇meitie．＊＇Ihese instructions were subliciontly explicit，and aromded with the view mhen by Comanaler Pary in his marative of the former voyage．

On the sth if May， $1 \times 21$ ，the Fury and Inecha，ite－ rompanied by the Nentilas mansport（fireighted with Aores and provisions to be tamshipped on mriving at the irce），sated from the Nore，nal，owing to land wather，
 arlver in latitude for $4 x^{\prime}$ ，and sum the lirst iceberg．At

[^10]ふ
the depth of 460 fathoms the temperature of the sen was low, that of the smflace, fo! ${ }^{\circ}$, and that of the atie. 41:. On the ed af July they were dese to liesolation lsiaml, the mallers of which were filled with smow, mut, with the fog that hang over it, "remdered the serome herome us indescrihahly dreary and disumperahle." " | 1 reguires," says C'ommander Paty, "a liow days to he pass id amid sermes of this nature to crase, in a certan degreer, the impressions left hy move mimated lamdseapes: mal mot till then, perhaps, does the rer herome fanitiarized, and the mind reeomeiled, to prosperets of mtter hamemores amd desolation sude as these rugerd shores presemt." 'The mmoroms iecobergs. of whirh ('ommander Lyon counted fifty-finm in sight at ome time, some of them not less than two humdred fied above the sea, were not calculated to onliven the serene.

On the ell the ships wore elosely berset, thongh drifting rapidly ubout by the tides during the aight. 'The ire emsisted of loose masses of broken flase among which the ships contimed to be driven, sometimes in one direction and then in an opposite onse; and dumeng these masses were commed thinty ierbergs in sight at a time. many of them whirlod atout by the tides with great rat pidity. Sereral of these immense bodies wero from titty b nimety fer ubowe the surface of the sata, eath probahly almost as many fathoms below it. The comman!er, howerer, states that the hergs which thas drive ahont mere less dameroms to npproach than those agromme, against which a ship is liable to be carried with the whale forere of the tide.

On the sth they werestill drifting abont mong the jere, clase to Resolation Island, without knowing, dmring the night, in what direction they wero earried; but when it clated up, they wore surprised to find the Hocla elowsh or twelve miles to the west ward, thongh still bese in the ire. On the ? th the ice closed romat them, and they remained immovally beset fir ol weok, thongh rarriod by it daly form one to four miles. This is proeisely what was alluded to at the comelnsion of the last experdition: and it appears that the two ships were in luss danger (in fact, there was none) than those on the shore of Melville Island. They were still, howerer, in the et-
fithe sea of the air. Resolution new, anl. the serolle hle." $\cdot$ |t liyes to be il it rertain ated lamd. yo berome osperts of se ruged of which wht at one ndred foed the sereme. tough drittt. The iere mong which $\therefore$ in one dimong theso $t$ at a timu. th great lat re from tit, a ach prok-- commamedrive abont $\because$ agrouml, od with the
among the ving, during ; int when Hocla elovstill besed in m, and they ngh mariod is precisely a lust experrope in luss on the shore r, in the en-
trance only of Iludson's Strait, which, being exposed to the swell of the main oremb, and completely open to the indurnee of the whole Athatic, has nlways beren considAroll, by the shipes of the Hadson's Bay Company, a mose dangerous and difficult position: three of these were seen here in a similar prediemment with the disedeery ships. In proceoding up the strati, several bsequiman comoes, or hayaks, malde their appeammere, ofierings seal and whate oil, spears, skins of the seal, bear, fix, de., for sale. Alter them emme a latge ommiak, of woman's boat ; their filthy customs, however, disgusted the semmen who give them no sort of raceatagerment.
"()u the whole," says I'ary, " it was imposisitle for us wot to recerve a very wntavorable impression of thes gromeal behavior and mow' chanacter of the matives of this part of Hhdson's strat, who serom to have acguired, ly an amma intercomese with our ships for nearly a humdred years, many of the vices which mhappily uttend a first intercourse with the civilized work, without having imbited muy of the virtues or refinements which adorn and rouder it huppy."

Having rached Southampon Ishand, near its northern extremity, where the contimity of the land appened to be dissolved, Pary conchaded they wero not fiar from the enstern entrance of the Frozer Nitrate, which had oceasioned so much angry disenssion, a humbed years ngo, as to whether my such struit existed, or whether it was not a chimera invented by Captain Middleton. As this geographical point had never been decided, J'arry had some difficulty in detemining the question of trying it or not, as, in his present position with regard to Repulse Bay, which he was ordered to examine, the distance was not more by passing that strait than fility leagues, wherens, if compelled to pursue a route roand the south end of Southmoton Islaml, it would make the distance from one humbed and seventy to two handred lrignes. "After the most anxions comsidemation, I caize to the resolation of attempting the direet passage of the Frozen Strat, though, I confess, not without some apprehension of the risk I was incurring, and of the serions loss of time which-in ease of failure, either from the non-existence of the strait, or from the insuperable
obstucles which its name implies-would thas be inevitably eneasioned to the expertition."

His deefision was right; and, though mueh hampered by floes, amblhomoes, and pathe of iere, he was still less and than in the meighborhoot of Resolntion Istant: and he was rewaded hy the discowery, not fir from its entancer of what he calls "a magnifierot bag." whieh the oflierers homored with the mane of the " Dake of Vorks bay," having been first entered on his birthour. It is sitmated on the notheastern extremity of Sonthampon lslamb. The bay, howerer, on the western side was shat in by a lows shore, which it was concheded cond be wo other than "the low, shingly beach, like Dungeness." of Middleton.

He fomed it neressme therefore, to retrace his steps, and to enemmer mee move the Frozen Stmat, with its rock and ishots, it. irregular tides and hommoes of floating ire: and what was, perhaps, werse than all, dark, foger weather, with compasses that had ahmest lost their ation. He soon, hewewer, got into water meaty fren from iere, which allowed him to proced westerity, but entirely by the lead for five or six homes, when, on the Weather clamiag up, he fomd himself almost antirely smromaded by lant, "having mononscionsly patered Rrpulae Bay. in which not a pirco of ice was to be seen that combl obstruct us in its thorongh examimation."

This full examination was cortamly given to it: und whatever doubts might hitherto have been entertained respecting its commmication with the Polar sioa. Commander P'ary and his parts, by their complete investisation of the whole of its shores, have set that question entirely at rest. The boats contered every litale crook and corner, " and thes was the guestion sefted ns to the continnity of land romed Repulse layy and the donbts and comjectmes which had so long been entertaned respecting it sot at rest fornore" Parry takes the opportmity, moreover. of doing anple justice to that injured and perseroted mavigutor, Captain Middeton. © The whole arcomat." he sats," that her has given of this bay, with the exteption of its grographial position, is in genemb wery acemate, partientary in the appearance of tha lands. thein relative situation, und in the mature and deptls
be inevihampered - was still In Islanl: or from its $\because$ " which : Duke of birtholar. of Southsterm sidn ided could , Dungen-
his steps, it, with its es of thoatI nll. dark, $t$ lost their narly free sterly, but trin, int the st antirely atored lir(to be secon htion." to it: mad ntertained Sria, Comte insestial question little eroek dus to the thire douhts rtained rothe opporhat injured mit. "floe of this bay, 1, is in genwee of the and depth
of the somdings." And with respere to the Frozen Stait, thererom be little domb, he says, that the aceomet wheh Thiddetom has given of its appatamere, as seren from ('ape lerigid, is in the mam a fathtal me: "Shove all. the encourney of ('uptain Middleton is mamifest upon
 Dohbs: for our subse gimeni experioure has not lett the smallest doubt of Ropmlse Buy. and the mothern pat of the Veleome, being filled with a rapid tide, flowing into it from the enstwarl, through the Fromen stait."

The appearmee of the shores of Repulse Bay was far from minviting. "The sumomeling land rose from six or seven hmolred to a thonsand ferd, and there was no wint of vegetution manally fomed in this part of the Aretie regions, and in many parts it was extremely hasmiant." Remderer and himes were plentilul ; so were lacks, dovekies, mad som-bumtings. Sioveral black Whates abse were observed in the bay. In ome spot the
 fimed, comsisting of stomes lad one owr the other, in very regular cireles, fight or nine teet in diametor ; bewides about 11 homdred urtilicial structures, fircplaces, stor-honses, and other walled anclosimes four or tive ferthigh, used for keeping their skin canoes from being sumwed by the dogs. In varions parts of the shore were fomad mombers of circles of stomes, which were supposed to have been bmying-places, a human skull bring lomed near one of them. Among these stomes the Hadson momse was very abmodant. "I do not know," says I'arry." whether the seals' flesh remaining on some of the homes was my attraction to these creatmres, but it is cortain that, when two of them were put together into a cage, the larger killed the other, mul ato a pant of it."

Commander Pary having now satisfactorily detarmined the non-existence of 1 passage to the wostward throngh Repulse Bay, he was next, in compliance with his instractions, "to keep along the line of this coast to the northwad, nlways examining every hend or inlet which might nppear likely to afford a practicable passage to the westward;" mad he congratuhtes himsolf on having reached this point so early, and especially "at having passed, almost without impediment, the strait to 8 K $\because$
which, on nearly the same day seventy-nine years before, so forbidding a name had been applied."

Ho had not yet, however, got rid of that formidablr strait, with its obnoxions name. In coasting down the northern shoro of Repulse Bay, it wos necessary again to cross the northern part of the Frozen Strait, and pass through Hurd's Chammel, which was nearly blocked up by Bushnan Island, leaving only a narrow passage at each extremity to get to the eastward; and, when passed, other islands and narow chamols occur, among which were fonnd such rapid tides, hurling large masses; of ice abont, as to carry the ships every moment into imminent danger. And when they had in some measure got throngh this labyrinth, after long, anxious, and toilsome labor, a frestinge from the northward, on the $3 d_{\text {of }}$ September, dritted the large floe of ice to which the ships were attached to a greater distance than "I ever remember," says l'iry, "to have happened before in the stme time under any circumstances." But the most mortifying of all was the discovery that, alter all their toil, they had been driven back past Baffin Ishund toward the two remarkable hills on Southampton Island. from which they were at nom not more than seven or eight leagues distant. "Thuns," says Pirry, "after a liborious investigntion, which ocerpied one month, we hal, by a concurrence of unavoidable circuinstances, returued to nearly the same spot as that on which we had been on the 6th of Angnst. 'This untoward revent may serve to show the value of evel the sumallest geographial information, in seas where not an hour nust be thrown uway or ur profitably employed."
'The whole of this voyage, froh, the first entrance of Hudson's Strait to the point now reached, has proved so harassing, so umproductive, and so dangerous withal, as to have required from him who had the conducting of it a more than ordinary share of patience, perseverance, and equanimity, possessing a temper not easily to be ruffled; and such an officer was Parry. His great object, when in extreme difficulty, he tells us, was to cheer up the spirits of his peopie, and to keep them constantly on tho alert and moving whenever such difficulty occured, even when there was no prospect of
e years be-
t formidable gh down the essary agriin iut, and pass blocked up passage at , when passcur, anolig large masses noment int" some mensanxious, anl ward, on the ice to which nee than "I pened before :." But the hat, , itter ill Baffin Ishand nuton islaud. han secen or ry, "after a e montl, we nstances, rethich we had a event may st geographiour must bo

## entrance of

, has proved erous withal. e conducting ce, perseveror not easily Parry. His he tells us, and to keep tenever such b prospect of
the ships' stirring ; to keep, in short, hoth their bodies num minds in a state of activity. Thus he says on the present disheartening occasion, "In the afternoon an attempt was made to move, for the mere sake, it must be confessed, of moving and keeping the people on the illert, rather than with the slightest prospect of gaining illy. gromud."
ludeed, throughout the whole of his Arctic voyages of discovery, the resources of his own mind never finiled to supply the means of conveying a happy state of contentment into the minds of those who were serving muler hinn, and of gaining their confidence. The present was a trying moment. The 5th of September had arrived, the navigable season had mearly expired, and they were only at the commencement of their discoueries. By the 15th of September, however, they had exanined numerons inlets and openings on the Americall const, and anong others, a very extensive and depp mire, to which Parry gave the name of Lyon's Intet. larious creeks and coves were also examined by tho hoats; but the continnity of the land was every where, determineod, and no passage found to the westward. They fell in with a small tribe of Espumanx, whose hathitations were visited, and the inmates found to be, "it good-hmored ind decent sort of people." One lad, in particular, is described us " uncommonly quick aur clever in comprehending our meaning, and seened to possess a degree of good-humor and docility which, on our short acquaiutance, made him a great favorite among us."
In some of the bays and inlets the ice remained fixed and umbroken, and, as far as could be seen, grounded allong the coast. Still they proceeded, passing by no creek or inlet without landing or boating to examine it thoroughly. On the 1st of October some rain fell, which, immediately freezing, made the decks and ropes as smooth and slippery as glass. For several days before, the thermometer had permanently fallen below the frecezing point; and the rapid formation of young ice near the shores gave pretty evident notice of the approach of winter. On the 6th of October, Parry says, "There being now only an hour's daylight remaining,
the yonng ice fast increasing, and a strong tide rmming in the offing. I wis ohliged to rehinguish the idea of moving till the morning." (On the filh the themometer was down to \%roo, and the sea was covered with young ice, of which we have the following deseription :
"The formation of vome iee upen the surfine of the watere is the ciren:"stime which most deridedly begins to put a stop to the navigation of these seas, and warns the seamm that his seasom of active oprerations is mearly at an cond. It is indeed nemerly possible to conceive the dogree of hinderance oncasiomed by this impediment, trilling as it always appars before it is comeontered. When the sheet has aempired a thickness of about half an inch, and is of considerable extent, a ship is liable to be stopped by it unless fireored by a strong and free wind: and even when still retaning her way throush the water, at the rate of a mile an hour, her comise is not always muder the control of the hehmsmin, thongh assisted hy the nieest attention to the action of the sails, hat depernds upon some acedental incrase or deerease in the thickness of the shere of ice, with which one bow or the other comes in contact. Nor is it prosilhle in this situation for the boats to render their usial assistance, by rmang out lines or otherwise ; for, having once entored the young ice, they can only be propelled slowly throngh it by digging the oass and boathooks into it, at the same time breaking it across the bows, and by rolling the boat from side 10 side. After comtimmer this haborions work fir some time with little good effect, and considerable damage to the plamks and oars, a boat is often obliged to return the same way that she came, backing out in the camal thas formed to no purpose. A ship in this helpless state, her sails in vain expanded to a favorable breeze, her ordinary resonves failing, and smblemly arrested in her couse upon the clement throngh which she has bern acenstomed to move withont restmint, has often reminded me of (inlliver tied down by the feeble hands of Lilliputians; nor are the strugeles she makes to effeet a release, and the apparent insignificance of the means by whieh her efforts are opposed, the least just or the least vexations part of the resem-blance."-1'. 116, 117.

The expediency of fixing upon some eligible place for the security of the ships for the winter conld ne longer be doubted nor delayed. A small ishand lying off tho northern point of the entrance into Lyon's Inlet was agreed upon by the two commanders, being found to afford good anchorage on its southern const. "We
ramning iden if prommered with icription: the water יון minthet his is indeed ance orctibeato lie: col a thick-- extent, a y a stromb ay throush uive is not th assisted ut doperids hickness of $r$ comes in we boats to $\therefore$ or other Y call only $\therefore$ and boats the lows, contimuing effeet, and wat is oftem packing out II this helpbe breaze, fited in her bern acensnled me of ntims ; nor 1 the :pp:1-1 rts are olthe resem-
place for no longer
ng off the
Iulet was
found to
t. "W O
now," says Pary, " for the first tine wothed on board the ships. enal bedore night wo hat them mowed into the ir plas. 4 by sawing a camal for two or three hamdred yards through the ice." Ho alds:
" In revidewe the exents of this our first seasm of navigitim, und considering what proseres wo had mate towand the altaimment of our main olyeer, it was imposiblhe, howeror

 bance had beren toward Bromings stait, the extent of comst mowly diseovered and mimbely exphord in parsit of one

 comtine of of North Ameriea. This survier, antwithstandiner our comstant axpesure to the risks which intrimat, shand, and maknown chamels, a sea loaded with ice, amal a mpial tido womered in preantins, had providentially been effered without injury to the ships, or sullerines to the wheces and men: and we had now once mure met with tolarable serority fin the asuing wintor, when obliged to relinguish firther "narations for the seasom. Abowe all, lawerer, I herived thas nust sincere satisfaction firm a comvietion of having lefi mo part of the coast from Repulse Bay bist waind in a state of dombt as w its commetion with the eomtinent. And as the main-land, now in sight from the hills, extemed ne tirther to the eastward than abont a N.N.S. bearing, we ventured to induler a samgnine hape of our being very mear the northGistern bomulary of Amorica, and that the canly part of the mest semson would find ns empleying om best eftionts in pushing alomg its northern shores."-i'. 113.

Paing now fixed in their winter quarters, it is scarecly neressing to say that the first and andiest attention of the prowident commander was directed to the security ni the ships, the arrangements for the preservation of rimaliness, healhh, and comfort during a bong prospective winter, as well as for the ecomomical expenditure of provisions, fuel, ani all other stores. At tirst, and for some time, apprehension was outertained respecting the sermity of the ships in an open roudstemb fincing the sombth, as the gromoded masses on the shores of the bay beran to show symptoms of instability. one or two havines ballen over, and others thried romm, so that, instead of being a protection, these masses might be looked upon rather as dangerous neighbors; other circumstances
 happily. Hery esciperd them all : mall the ships, Bume

la may he tutue cremain that mothine was mathed by

 drying of elothes, aibing lho bedding, and sleoping in hammoses, by hinh ventiation is materially promoted. Horsys:
". While care was hans taken to andopt all phesical means



 haps. indoed bedithent to imasime sitnation in which eherer tuhers is mom to be desime or hess likely to be mantained.
 Fordoded fir :an merertain and indefinite prexind from the reot of the wotd; havius !ittle or no comployment but that which is in a mamer created to prevent idlevess, amd suliject to a dexere of todines momotory ill acourding with their ushal habits. 11 was mot, howner, simply as a applicable in a greater or hess degree 10 all sitmations amd
 mon was in our case partionlany desimble hat as immediately commeted with the prevention of that disemse to which our cerws were mas liable, and which imbed, in all hommon prohability, wo had alome any canse to dreat. The astomishfise etherts problued be the passoms at the mimb, in induring
 eontimation or to admit of dombt; thase ealonhated torexeite. hoperan! to impart an sensation of pleasise to the mind haviny heron invariable foum to aid in a surpriner mamer the come of this extmandinary diserase amd thase of an "prosite nature to ateravate its fital malignity. As a somere, therefore, of sational ammenernt to the men. I proposed to Commanider Lyom and the oftieers of both ships onere more to set on foot a riries of theatrical entertamumes. fiom which so much berofit in this why hat on a former acemion been derived. This proposal was immediately and mamimonsly acopiesed in. byon ohligingly maborook to be ome manager, and some preparation having been mate for this purpose previons to beaving longland, over thing was som armased for perform-
 more importam maters our former experience gave maty
nger, bulf. dips, oblere 1 as rowhs. mitted by lont of his r warmalı. Hopping int promoted.
 inil comblint. if: : 1 mumat 1 :mxiliarim womhld, perwhichermer maintainer. s:amen (exi) ion the row thalt which subipert to a thoir usinal al principos. thations :and and frood linat as inmor:ase lo which in :lll lommun rhe astomishs. . in induring (10wn to herd ted to exeme mind havinf niner the comer positr nathore therefore, "1i Commaniler set on fout : , much beverived. This quiescerl in. re, and somb" - provions to for perform.
In hiss, ins in give maly




 : 1. $1 \because 2,1 \because 3$.

Aul he anden, ins a mete,

- 1 ram mot omit to .memtion that, just before wo hoft Finglamd. a latese and hambome phantesmagoria, on magic: lanwer. hat heren presented to me, foe the bise of the expedition, by a lads, whoperisted in kreping her name a serere from dhen whom she was ! !ns serving. This apparatus, which was exerellent of its kind, was fergmals resorted to daring his and the suceroding winter: and 1 am happy to avail
 ori bemefietress, and assming her that fore pressut attionded a find of anmsement, fally answorint her kind intentions."

No man was hetter arquanted with the charactor and fordines of sotmen than larry. Ho knew that mirth, and ather matements to charerfoluess, if too oftom rafatad with little or mo variation, are upt to lose theire chiret. Fully aware of this, and with a view to hoghor whyerts, it did mot escemp his rethertion that, during the long winter nights, when for a cortain period the whole day was in fact a night, an opportmity might he aforolaif for instructing the men of both slipes in at hast thes Armentary parts of chacation. 'Jo this end he suys,
"To finmist rational and uselint ocempation to the mon on
 whatary superiatembene of Mr. Dhase, for the instraction of surb of the mon as were willing to take advantage of this "ppermaty of haming to read amd write, of af improving in thase acepuisements. The same plam was adopted on basid the Herla, Benjanin White, sue of the seamen, who hat heen edneated at charistehureh sehool, volmentering to ofticiate ns whomaster. Tables were set up for the parpose in tho shiship part of the lower deek; seme of the mem, already thas pualitiod, molertook the task of assisting in the instrmetion of thair shipmates; and thas were abont twenty indivalaals behnging to eath ship owenpied every evoning, from six to disht orboek. I made a poin of visiting time sehool orcasionally daring due wintor, hy way of enomating the men in Lh in praseworthy occupation, aid I can safely say that I have



And woll migh he be eratitiod: fin wo are asumed he him. oll the revino of the shiges to limghand, that " crove maill wh hame combl read his Bhble."

Nor were the introssts of sedorer megherted whila these domestie armanements wore in preesers. A pent.





 meroned by the commandor of the expedition from tho Latids of tha Shmimatir.

An ohservation of lames shows that the Aretie eli-

 wind was N.N. W`.. the themmberor tioll \(10-10^{`}\); hut

 of athert $1 t$ ion ins stating that this temperather was much
 tha fied. hat wory hoely filt and complamed of the change This is coplatined he their chothing bedding. tires. and other preantions asamst the severity of the

 ise mad ineomsenient." Another circumstmene is mentioned. which may sore to contion a conjeethre which has long beon matatamed he some, that an opous soat frer of icre exists at or near the Pole. "Onthe od af November" sals l'ary, "the wimd. freshemed up to a gale from X. hy $\mathbb{W}^{\prime}$. lowered the thermometere before midhight to - whereas a rise of wind at Melville hiland was generally accompmied ly a simultmeons risa in the thermometre bt law temprotures. May mot this." ha asks. " ho ocensioned by the wind howing ower all "pen sa in the quatere fom which the wind hows. and tends to comtion the opinion that at or man the Pold an open seat tren af ire exists ! " lithe ice whicha sittgle night of six mondse comthmons dmation must prome duce wore not dispersed by the current that is hown
ion than un
asvilum hy lant "rrory rind whil. s. $\$ ןont.
 "roplixit" I fir varions othw RoyI or omillad instroldions In trom lla

Arolir eli-
 $\therefore$, wholllo - 111 : h111 1. if lose for
 - wis mollo
 inced of tha as. hoddines. -rity of 1 la
Clewror of - 11 oppross licer is lloli--1"rr which
 lllar (110.( uf) (0) a wor heforw at Molvillo (tumoous liso

May mol bowing owne wind hows. rar tha Pula which a sill1 molst proat is hllown
to rxist, umd which the leole itself may protmbly he tho
 mad buistaroms, would bre midh. 'I'lor mora and hatores rombl the sim mod moon wore of frequent apporamer.
 dhe athemtively watched, was mot formed to be at all atdieded hy mer of these phemomema.
'Thor shoriost day passed withont my interest bering
 peronlarity of our sitmaton gave it importanco. Now the chase was very dilfiront: their wimtoring was me

 ahle as comld be desired." (Wh Christmas-lay divime suvice was pertomed on bond the Fing and athended hy the ollicers mud erews of hoth ships: an meditional aillowimer of provisions was issmed, "mod the day was marked by the mast ehorettal hilarity, mexompaned by the momosi regularity and good order." Among the laxmios was a joint of good finglish romst beot, pereremed hy the oussidu beime mbord with salt. 'The hast day of tha yar hroush with it the high gratileation of obsiove meg the exorellout hath and spirits rimoved by almost




Having provided lor the amboyment and rearentions of the men. Pary still seromed hathink that it might ho masimed. as, indeed, had beon moticipated, that want of movely was a disalvantage likely tor rember the comtinement of the ofteress more tedions than hefore al Medsillo lskad: hut this, he says, was mot the caso: the men hand ahwiys amplogment ebongh to prevent their being idhe. though mot, pertaps, sufficient 10 prevent mpleasamt thonghes from onecasiomally ohtruling themselves: but the oflicers ako had mosily resomrers within themselves. With regard to them, he wsorves, that "what with rading, writing, making and caldolating dhar pations, ohwowg the varions natmal phemomena, and tahing tho exיreise meressury to preserve our healdh, mohody, I be-
 timmace in winter ghartors." Ho adds:

## 1.













 with • his till-disiant home.' 'There are alwats simbermern-










'The first day of the new your is desoriber ns being a vers sexpe die in the grea air, the thermometer down
 on which it may he ohsermed, that the eflem of a stomer heren on the ferlings. aron in tomprater climmes, is well hown, but at low tompontures it heromos painfil and almost insupportabla. "Thus." shys P'arre." with the thermometer at -isc and no wind stirring, tha
 for of anl homr withont incomonionee: whilo. with a fresh broose and the thermomotor mearly as high as raro. bew prople dan kopp their hands expesed so home whom ronsiderahle pain." By mans of Sylvestores stowe. howeror, and a judicions amongoment of the fluse mo incomveminuer was folt in the ships. even at the temprature of - ins.

Duting the cold month of Jmmary fiequent opportnnitios ocemod of making 14 variety of meteorologeteal whervations on the Amom Bowatis, on parhelin, and pamselend. and, at the same thane. Mr. Pisher wins fully
ehrut mantitiwival partion 11, all Ntither Commaninhor 'Ins in monsi•• יris: but it they :dmirw wiiniw of the
 ; fir. inde"uhomasic. - mally limal - comberolod -
 and in tho
 spite of ilw
a : 1 hundimu. mild indomed 1 Minymont nd cxpret: as being a ICtor down hr N.W., of a stromer -limates. is ues painfol ry, "with irring, lho or 1 y 1 !arle. wilh : as high ins od solong Eymostors fha llues, the tem-

## t ipportu-

 corological helia, mul ' was fully-mployed in observing tho dy, variation, and indinntion








 lames menst deserila the introviers.


 a











 artows in thoir hamis, hin what we hat baken fir bows or

 whind we immediandy purdased fin a few small mails amel beaks. Same af the woman, of whom ther - were there ar fomer as well as two children, in this party, having hamdsom,


 - Fore that there was menhing so dreadfal in this as wo al first
 domiln suit. 'ilar whon were of derer skin, and lowked hoth


Thas party eombeled thomselves with groat decorm, amb withoni my aprehension visible on the en combemaneres or maner; therofore, as soom as all that they had (10) sell had been purchased, a wish was expressed by
sigis to acompany them to the ir hats. The description which follows is carions and interesting :
"When it is remembered that these habiations were fully within sight of the ships, and how many eres wore cominamy
 or interest in our prosut sithation, ome surpise may in stmes degree be imatined at finding and extablishment of live hats. with canoes, sledges, dogs, anel ahowe sisty men, women, imel children, as regularly, and to all appearanere as pemamenty fixed, as if they hate owempied the same sot for the whole Whater. If the hest view of the exterior of this litule village was surh as to ereate astomishome that fereling was in mo sumall degrere heightemed on acrepting the invitation sum given ns to enter these extmondinary lamses, in the construmtion of which we observed that mot a simgle mat! riml wats mised hat smow and ice. Ator erreping throush two low orestres. having each its arehed dom-way, we canm to a smali eirentar aparment, of which the roof wats a perbere arehed dome. From this three dom-ways, also archod and of larger dimensions than the outer ones, leyl intu as many inhabited apmements, one on eath side, and the other fiemg us as we erntered. The interion of these presented aseme no less mond than interesting. The women were seated on the beds at the sides of the hats, cach having her little tirephace, or lamp, with all her domestic ntensils ahome her ; the chidrem mept behind their mothers, and the donse, exeept the femate ones, which were indulged with is part of the beds, slunk ont pant us in dismay. Tha consituction of this imbabited part of the hats. was similar to that of the onter apartment, heine a domefommed bespante hocks of smow, laid with great resularity and wo sumall art, cach beoing cont into the shape repuisite to form an substantial and from seren tu disht fere hish in the center, and having mon suport whaterer hat what this principhe of buidding suppliod. I slatl nut here finther deseribe the pecoliatities of these surions editieres, remarking only that a cheorfal and sumbient light was andued to them by a cit cular wimber of ice, mealy titted into the roof of each apart-ment."- 1 . 106.

When we refleet how many volumes have been written. how much disenssion has baken place. how much learmed conjecture on tho invantion mat origin of the areh. even in this bater use, what merit ure we pepared to bestow on one of the most malde, the most simple, and most isolated race of homan beings that exist! Ninture, assisted perhaps by whervation, has tanght this preoples the true prineiple and construction of the ard.
escription
wore fully ombinually min saricty $\because$ in stme fixe hull. Mи"ㅇ, ant mamenty the wholi. the villate Nis in tin) :iwn som - consinacWas nuseld pasmes. if circiliar al dome. "r dimented "pral:is we ril loss movel elode at ', or limp, 1ren cmip mate omes, Komp piant ait of the a a dume wenlinity thisisite to wh in the iix princidesertibe only that lya circh apart-
en writ(v much of the repared ple. mund Ninture, peophes
" We fommb", says Pury, "our new arquaintance as darions of plensing us as we were ready to be pleased." A faverable impression was mald on the first interviow, which was not diminished during a constunt intercourse of three or four momths. These poor creatures, who, with all their unfintumate race, have heen throw hy fate into the least habitable portions of the globe, anuid rternal ice and snow, possess many valuable and amiable, ymilities, among some others that are less sar and are common to all savage or uncducated perple. Those of the tribe here met with are described in their behnvior as bering in the highest degree respectinl, orderly, and gow homored. They gave the vagagers every ratsin to believe that they possessed, in no ordiniry destere, the quality of homesty - a quality not nsumlly fonnel anong an mocivilized people? "bit a quality;" Pa:ry observes, "the more desinable to ns, as we had Bu simere, besides the honse and ohservatory, atl our humats and other articles, which. had they ioen disposed 11 pilfer, it would have required all our vigilance to suird. If we dropped a glove or a hamberdhief withcunt howing it, they would immediately direct onr nttention to it ly pointing: mud if the owner had left the hat betire they discovered it, they would rum ont after him th return it. Nuy, more, if almy thing happened to bo left at the huts, they would travel down to the ships to return it to the owner. A pair of their dogs was purchased for the Hecha, which broke lowse and disappearad: but next duy two were fond chained up on board the Fryy, which, on inquiry, proved to be the mimals in guestion, und which had thus been faithfully restored to their rightfin owners." Many other instances satisfied the voyagers that dishonesty is not a prominent vice anomg these poor people.
Judging from the sample who visited the ships at Winter Island, they exhilit none of those traits of stupidity by which they huve generally been distinguished, hut would rather uppear to be lively and chereftil than to show any signs of dullness. Quiet and orderly, however, as they were disposed to be on their first visit, they betrayed a strong inclination to merriment : for Pary observes, that on Commander Lyon's ordering L. 2
his fiddler to exhihit upon the I Ierla's deek, they dmend with the seamen for mone, and then retmened in hish ghe and good homor to their hats. Another party took great delight in listeming to the orgm, mat to any thing in the shape of masic, singing, or clancing, of all which the $\begin{gathered}\text { uppeared to be remarkahly fond. }\end{gathered}$
'I'loe smme party were asked to go throngh the process of building a snow-hat for the mmsement and infomation of the Earoperans. "From the quickness," suys l'ary, "with which they completed this, our surprise at the suddelopenarane of the village coased, ats we now saw that two or thren homs womld be more than sufficient to have completed the whole establishment just as we at first found it." The following day a momber of matives came on homed, according to prome ise, to rehaik the lat in a more substantind mamerr, and to pht a plate of iee in the root as a window, which they did with great quickness as well as care, several of the women cheorfally nssisting in the habr. 'The men socmed to takr no small pride in showing in how expeditious and workmanke a mamer they comad perforen this : and the hut, with its outer passage, was soon compheted. But they extend the use of this trmengrent material, applying that of frozen hommoes to othere purposes. A shedge was required to cary a youth to some distance, and none at hand:
" We fonms lowerer, that a mam. whom we had ohserved for some tis at work among the hommoes of ice upon the hemeh. had 's in emploved in enting out of that abmodant material a neat and servieable little sledge, hollowed like a bowl or tay ont of a solid hock, and smoothly romoded at the lottom. The thome to which the dogs were attacherl was socemed to a growo ent romud its upper elge; and the yomg se:ab-atcherr, seated in this simplu vehacle, was draged along with great comveniene and comfont."-l'. 906.

Cuptain Pary being desirous of trying how fur they might be disposed to prart with their children, proposed to buy a tine lad. named 'rooloonk, for the valuable comsideration of a handsome butcher's knife. His fiather. apparently understanding the meaning, joyfully aceepted the knite, and the boy set ofl in high spirits, and ut tirst assisted in drawing a sledge : but beginning, by some
ey dumeed ci. in higish party towk any thing nll which
i the pro,ut and innichness," s, our surceased, as I be mame entablishowing day $g$ to prontamer, and which they cral of the Thos men how axpehi pertion':1 soon comtromsparent 's to wher a youth to
mad ohservend cer unou the at :chmulimt howed like : rumuded at thtached was if the youns agged alous

## ow fire they

 n, proposed lumble conHis fither. ly aceepted and at tirst g, by someulditional signs, more clearly to comproheme the trie meming of his sithatimn, towk the "prommity to slink at' mumg seme hommocs of ier, so than, when the party arrived on hoard, 'Toolownk was missing.
'Fiouloorak, however, was a constunt visitor to P'urry, :und comsidered himself fully privilaged to find his way imto the cabin. "He sat with me," sitys Parry, "one diy for a coople of homs, quietly dawing fares and aminals, an occupation to which he teok a great tancy, and we often were reminded hy this ciremustaner of a similar propensity displayed hy his aniable comutryman, our lamented friem, dohn suchlowse." He goes on 10 say: "We som fomed that 'Tomelow posesessed a rapercity equal to any thing he chose to tahe an interest in laruing; mad combld he, at his present nge, have been volumarily removed from his companions, and his uttention directed to the arguirement of higher bunches of hnowledge than that of eatching seals, he would amply have repaid my pains bestowed upon his edncation."

An overture made by laury to this effect, and of removing him, brought forward, as it was intended, a fine trait of feeling and character in this youth, and probably nut meonmon in this too mach despised people. Pary allds:

- I had always contertained a great ohjection to taking anay any surh individual from his home, on the dombthal chamer of benefiting himself, or of his doing any servier to the public as an interpeter. My sermples on this head had hitherto heren confined to the comsideration due to the individnal himself, and to the relatives he leanes behimd. In our present Gase, however, not the smallest publie adrantage could he derived from it: for it had long ago berome revent that we should soon know more of the lispuman language than any of them were likely to lemof English, in any reasomate period of time: I was, therefere, fint from desiting to receive from Tooloonk an answer in the affirmatiore, when I to-day plainly put the guestion to him, whether lee wonk go with me to Kabloona Noon" (Limopeam comatry)? Never was a more decisive negative given than Toulonak gave to this propasal. Ite carenly reprated the word, Noto (No), half a dozan times, and then told me that io he went away his father wond ery. This simple but irresistible appeal to paternal affection, his decisive mamer of making it, and the feelings hy which his reply was evidently dietated, were just what eould


 and having onere satistiod myself of this, I dedormined merer arain th cxcite in Tombans mind monher disagreabla sensation by talking to him on this suly.ero."-l. 17:3, 171 .

On mu carly visit to the hats, which was mado by Parry, he fomid only women and rhidero. the men laving gome on a sealing excmsion: ome of the former named lliglimk. the mother of the lad 'Toolonal, fiamed him with a sollg, which. he says, gave prools of hor " having a remarkahly solt wore, an excellent car. and a great fondness for singing. Wo hand, ont their liest visit to the ships, remarked this trait in llislinh's disposition when she was listeming, for the first time, to the somed of the arsat, of which she sermed werer to have bongh, and almost exery day sho mow hegan to displisy soma symptom of that superionty of maderstanding for Which she was so remarhahly dist mandished."

This lesquimatus female was indord a most axtraordimay cromome, and one that would have distinguished hersolf in any society, not meroly hy her maical comvings. for her whole soml apmatim to have heren masio. hat more by her andaght intollocthal powers. In her exhibition of the former quality, on varions occasions. she is chargeable only with one of the two vieres which Homed bings against the whole tribe of singers in his day-ommibus cantoribu-so fir from requiring to be
 says." there was scamery any stopping her when she had once begun." A party of her comatrywomen were one day on bonel, when, to amme thom. the little band of thites mod violins was struck mp, mud miso some sougs, with which they were all delighted. "I leared," l'ary sulys, "that some of them, esperially lliglink, would have gone into fits with rupture when we introduced into out song some of their mames mingled with our own." It was emongh, we are told. for this interesting creature just to make the motion of turning the handle of the orgnn, which, conveying to her mind the iden of music, was always sure to put her immediately into high spirits.

1 tmit of the superior chametor mal promel forline of




 : moly. Pary silys:



 them, liay bure relatr. Some time lofine. Ilelinik, who.




 which of the womm it cimus. Belins ines that she hat tailed


 bedtus that she w:s wastine her worle "pom mes, she said










 womath wis, perhips. most appaternt in the readiness with which sher was math to compmeherme the monde al

 wrer mear it. 'The list attempt of this hend was hy


 Ary to the prosen winter station of the ships. The
 fan rat of one piece of papre, to tach on another, till at 9
frosth she haw filled two or twelve sheres, and had compertely low sizht of W'inere bland at the other end of the table. Two charts, me made ly Dightiuh fier Commander Lyon, are given (in the volume) on a rednerd sembe: and wey extrandinary they are, combuning. themgh with mied: arom, a grimal cirrect view of the comsi, and of its commmimation with the westem chand of the Polar sca. Pary says:
"Bring extromely desitons of ohtaming more certain information on this part if the sulpert, it wormed to me to attempt
 Whe her to kerp in view, at the same time, wery pat of the
 he our han ing lately uhtamed the Eicgumame words fire tha fimer cantinal puims of the horizon, which were, therefore,
 time to this, delineated the matal pention of the coast, and
 her guite familan with the exam relitive poition of the lambwe had laid down, we desimed her to complete the ren, and to do it mikher (-mall), when, with a commanamer of the must
 of the continent he coml her own comaty, as lying narly nerth





 in semu degre, be imarined whon, withont takine it from

 within thee or fome dise jomers of hapular Bays. The comm-

 and half way betwern that const and Repulse Bay Miphink


 nior, and cateh there later tish of the salmon kind, while on
 of Wkkonlere as tin as ther em sere from the hills, which she

 uk would intortere with Wager River, as we kume it to exiot,
hand com(a) etul of for C'oma redured contuinins. aw of the tem count
rtain intior-
 mishlt cultpart of the whl fitwomen rots fire the , therertine urs, in ind iticulsict, muk Is 110 rember of the lenat. he mon, and - of ther 1 IIM-1 w the cuar warly north 11 rum:ined. r-ow lo have the contilt compli:how, wilh mern wheretime. fine it firm Fhart romul - as tw Mumb

The comblor Poliur sia民"suman: bay Iliplink tremims me( har cunllwis the stun(4, whiln on Cwistwant . which alw Wind but (cllur $1 l i v t$ y it to caict,

 Hhe kin'w nu lum : :
Wrall might Parry comsider this mew information, huns
 af his som rommeng the methrastern pint of Ameriea, whirh, in pwint of tiact, he sulserguently diarovered to be, as. and whore, represented he this !atrlligent wombu. The her almer, theremere is the merit dar of the divenary of the extrome methern bomatary of Americis on. whinh is the same thing, her merthastern extremity of that continent, which (iaptain Pars is twh, in his int

 in his progress aldag ther roid om whirh har was about to
 plared in the indication he han arequired fom her E-animane laty was sulficient to indine a mome than comma athemion th the spot where it rereived fill comithation.
Nin were the pewers of mind in this superion woman
 were hing she wherem the perphe of the ships 10 the
 panied by her haskum and som, ther pain a visit th the


 athent the ship that we thenght likely 10 ammer thom:


 which the armerer pertirmet with it. The wethine of iwn



 wis what firred iteolf upun her mind : and she wathentero






Her ntention to her hustand, whe was then ill, was
vory shinge Javing fogether with him, been there

 hor hashands: fare the whole time, and seremed almon


 with one hamd, he held ou hy his wite with the othere and she be him with both hars. is thongh they expered

 worse: fire rem in this segnestored comer of the shater
 l'ary sars. Was mon the more semblane of eriof. for she was inally murh distressed themghom the diy.

It is phetsing to dwoll on these ammale traits of char-
 bring an lixamimans, as lithe, if in all, removed from the ordinary moe of samase: arol it is only fom surh a man as l'arry and his asooriates shat her virthes. and here um-

 that. by makiner publide homen to the work this despised and perseremed race (fore mothing shom of per

 where worse than ('immorian darkess dwalls firy hat! the years)—would hait they misht be lowhed uporimen


 appears to be hopeless. smommed as ther are in arore part of the coast-land homediag har dreary Polar som-
 into hererons and corners. or what is still worse, by the satase ladians of the notherm pats of Amoricat, to the very shores of that sua-lhe 'thimat Thule of all civili-saltion-what hope. then, is thom that mer change or ally exertion of hamane ame well-disposed commanitios
 sion. misery, amb starsation?

At the same tane that Pary dwells with pleasure on


 nted). sellishmess, and ingratithle. $\because 1$ alll romprollod to

 more mad more dowloped. hare head (lion what limalde hame is iuditherem 10 praise? began :0 be formed with
 mised." She rolinsed, it semens, the the mol parting, ('mmmander Latoms regnest to her to make bior hime a


 amiability of har dispusition."

It is mot guter doar, from what ocromed on the day that ( hotook and ligsliuh ramo on boand to pay the ir lant visit. that lamry did mot mintemtimally utient the pride





 sit. mowing quickly towad the dom, mul, withont say-
 hasteming directly on deck. Gonom, imbed, as he followed har out of the cabin, turned romul and said - Gombhe: amd, withom giving us thme of remm the romplimom, they both haried ont of the ship, leasing us in somb astomishment at this singular heave-tikinge. It is mot mantmal to suppose that, afore so long mal friondly ath imberomse, they shmol, on this partionlar visit, fied themsises somewhat meghected; it could hardy be expertod that they should wot fied, on such an owasion, an
 tion amd himhess they han recoived. But lawry limud athange had taken phace in lighats combuct, and exphans the catases which gave rise to it.
 pion decomer and exom modesty of her behaviar hand combbined, with her intellectual gualities, to maine her in one exti-















 tume in wore child of ham from har liphane to the bols.





 mathon wo domed. In shom, Higlink in formary ame lli-


 dair. an comtidently expertiner har moter of thase ammid her. and she whe had it tirst with easer and wihl drlight, a wistad in conting sme for the building of : 1 hat, and with the


lliglink was mupustimatly altomed and spuiled, amd to Captain Pary and his asseriathes was owing the mota-
 not be atherwise: mer dees the change in her comblut
 finl behasur which prevailed almosi miversally among the tribe to which she belonged.
 actor. lla resomeres and employments. and the state at sucioty among thes puer cerature dommed to consume flarir lives in has eommere the mast dreary and dismal, promps. in the whole wheld. Parry has given a full arcount in lis conchading chapter. Here, howerer, the
ald chlu4 ink :alomer. wombled bo - 11 rollo
 Fullyaic ו11:3an.' it Hownaly lin: quite, 1 thrum: af ' : Illained. min : iddy initely d'. $110 \%$. sond tionLie ronc. IIn- idnow 1.: $1911111-$ lır $-i_{i}$ his-
 (1915 ! the intin1 :and HiIns: : and it $\because 10$ 品品 arely in: amill lier. h11. :1~is... with the c:allil the
tl. and to IC mitilmil could rimblut dr •how$y$ among ral charstate of consilluo 1 dixmal, full acwer, the



 al dhtientys and wathhlalass ant the iere, the wholo

 forn thi shos, mmbers of then mast muloubtolly


 bapley and "heorfinl trompor of mind, mal that good hom-
 whol sormery pinched by honser and cohd mad wholly



 "inh them it is alwase a beas or a lamime: they will rat It any geriond at the day when virtmals are to bee hatl,





 the lhow with thic fat of the mimal. and malare a linte of



 wad in quest of land: and the change at serome in theive mon hapy vilhge, and more expecially in their elean and combionable smev hats while mew, is has deserited:



 wothand aprataluce which tha intorion af the hats now pre-

 ent, the very show which composed the lieds and tireplaces
having been turnal up, that montiche misht be loft hehime


 fin the combenin'le of hatuling sut the goents and chatteld. The sight of a dewerted haditition is at ill times calculated
 expecially when we have lutely seen it tilled with cheertul mhbhitants; bat the feeling is even heightemed rather than diminished when an suall protion of there inhaditants remain behind to emblare: the wretchedurss which sumb as serme ex. hibits. This was mow the cane at ine villate, where, themph the remaining lemats of each hat had combined to owemper
 still hare amd the wind and drift lowing in thromeh the
 The old man Hikkeinat and his witi- oce upied at hat bey themrelves, withom mas limp or at sinthe nume ot mat bedonging to them; while thre small akims, wh whel the fintar was

 fand it seemed a charity where that a violent and comstam. consh with which the ohd man was attliched womld speedily combine with his age and intimaties to menar him from his present suth rings. Yot in the midst of all this he was woun
 the villise."一1'. 201,903 .

There is something very extramdinary, as it would appear, in the physial constitution of these people. At this moment, when in wat of every kind of subsistence, and hopt alive by the distribution of bread-dast, on ab hint from the eommander that he wished the females to let him wituess some of their gimes, the propesalal was scarcely made before every femald that was loft in the village, not excepting evon the oldest of them, joined in the pertinmaner of singing and in never-ceasing morriment and langhter. "Ne.ither the want of loed and finel, mor the nucertain prospect of ohtaining any that night, wore sufficient to deprive these poor creatures of that cheerfulness and grod hmmor which it seems at all times their pecoliar happiness to ayoe:" Their hilarity was not dist whed this might, for positive intelligence arrived from the iee that two waheses had been taken. "If," says l'ary, "the women were only cheerful before, they were now abselately frantic."
ft helhind． worly rion left athal rouls I Matlelo． rakralane lemolation． a cherertin ther himb nts．remain aromer ex re，thombly til weroms ares wry． mosh the ＂济川叫。 1 he：thention lartorgrings r：ner was －hlankets． ：म＂Clactr， 1 comstant． 1 ：prondily ＂from hits was event le smolt at
it would uple．It bsisteace， list，oll 16 －femalars persal was fit in the joined in Herrion d and tin－ nat night， s ol that all times rity was e invived ＂ $1 f$, ＂ I hefore，

The em of May havine merved，mad the Fispuimanx

 ont，which prolared in the women surh immoderate lits
 sureroded hy $n$ thod at te：ass．The men seremed thank－

 momed and wer－cheodind peophe sreeted us with throe dhers in the true Kidhoma（ B ，

Lithe dreserving of notier acemred till the midhlle of dume，whon the axpedition nlso was proparing to depart to the merthwarl，by enttine ant the s！：ijis from the ind taking down the tronts and the whervatory，and emb－ barking the instroments：but，belome leaving Winter Wand．altor a residener of mine momths，Commandere Pary states，＂It breomes my panlin dhe taturn fom these bosy occupations，where mimation，cherrfolmess， and hope prevailed，to the sand and solemon seremes ot sicharss and of death，lem with botlo of herse did it parase

 glo，in Lyon＇s．They wore hatiod in the same grave： the former with a handseme tomb of stome mad montin were it，and a slath of the same kimd，with a suitable in－ sription，wer the latter．

It was not till the ed af July that the ships were moved out of their winter＇s dock，and they prit to sea on the zhl with no very farvorable anspiees of what was to hefill them in their progress to the northward，aloner the vistarn eoast of Nerth Americn．The dameres lhat threatemed them at starting will be seen fiom Command－ a I yon＇s report ：
－The thon tide coming down lamed with a mome than or－ dinary phatity of iee，pressod the ship woy muhb betweon six and seven A．M．，amd rembered it necessary to tom ont the stream cable，in aldition to the hawsers which were finst tw the laml ire．This was seareely acomplished when a bery hoave and extonsive flow took the ship om her limoalanke，and， boing hacked by another large bouly of ior gralnally lited her stern as if liy the artion of a walse．The weighi，wory moment increasing，whifed us to sere on the hawsers，whan triction was so great as nemly to cut through the bitt－heads， M
reppiaine [140-0110: -110:ian :
 ans tow Jill hy whirl M
 her waltr. h. :mill the: cmlal haibe is monn hrokr "1p ceal finco.
 "y the 10 m (11 prat in Hyrorms itt. Stithre $h_{101}$ (1) resist its ling in tha - Nhr could - momst:ancers - hadd heron tlay: ithl dangromas 10 ils lhe 1 two wis - ly a demstancos,
in longll, thes shimes. נ11: re:asom 14 wr hild till 1, at tha "1 land-ice kine it 11 imbullos of litty on Har binury h silply. hiverranl youds of


 |


 P. シitl.
la addition to the danger whirh threatemed to exma
 - wif ier thas thrown into violent commotion, was dhe Whane af berime besed in the midst of the floes. and in hath helphess state swopt away with the floend tide and virment to the somblowirl, and drifted bark arain to


 ramting perseramere and by taking mantase of every "pronas and berear of wind to move the ships th thas
 fosite to a comsidnambe operninge in the land, ont of which



 what he justly supposed to be a tresh-wather river: and
 a lanary as well as nowelty in a region al' iar and smow, (1) he wighty passed ower. 'The hats al' lath ships were
 nimis ill the descret.

- Lameling on the someth shore and hanline the boats up






 and dahine with proil impermoity down two shatll cata-

 an wedt as a houder somed; and has ine wathed a shat diso
tanco down the bank, sukdenty vame upan the principal tall.



 lowed out thongh a solid row of emeros. Diter falline

 and then, an if masurine its whold fire pronions to its timal




 with a swoml lime attacheal to hime to ser whan the land tomednel the water helens. The dathine of the water from



 ally fomed by the brish man of an metomed sum. • Tha




 Fhe bisin that recoives the watre at tar lion of the fall is




 as it wror. 6 the -

 river atam increard in widh to abore two hmadred and





 maty, was the riehnew of the wentation mat banks. the on-



in•品al tall．
 －ו！ alunt nul． boin！lan｜－ lior tallin！ al lin！．1hn． inty sumat． （ii）ii－limal M1 1 Witur ル＂に小，in。 dend i．．le．

 ＂114 $10 \cdot \mathrm{all}$ ＂：1，$\%$ fiom
 －［amern リ． ｜rıan＇：an！
 ：IIII．• Tlı＂ Ite：a prin－ 1u：unitior＂ $\cdots \cdots:$ all．い Holle yan！． ar unr fix？ if lar lill is an yad in mui．dian ly आila•：1ヵッに am the 1 th humr．lix．al．
 1 ：alous tha． $\therefore$ fimme ：lı． dren s：ard． ：：llloin：ho $\therefore$ lin ： 1 lla －sulhw？ ：uts of hi－ $\therefore \cdot \left\lvert\, \begin{aligned} & 10 \\ & 11: 1110 \%\end{aligned}\right.$ ，Har Vilmi－ nks，ther．．11－ Intation＿iv－ king beriblu

Romming on buarl．they fomm an stromes sumbery

 for than nime miles in widh．I p this they prowereded，





 lumess contiment the mavisators in the beliot that they


 pareoded，these walroses berame move atml mome mi－

 wher．in spamate drowes of tront twehe to thity，the
 bumbirel．

On the loht a grat deal of hish lame was bronght in sight to the mortheard and eastward．which． 6 the tirst

 the promised strait，Hant was lo loal the ships the the










 frimols，Higlimh in pationlar．was man to the atrait hat





tempt the navigation of the stait. Ther ships matheres-
 to the hargowest part, was so bloched up with ohl iere mot likely to remove, and the middle of Augnst having arrived, he deformined at lemst to satisly his mind as to its commmaication with the Polar S'ea.

It will readily be beliewed that "every homes delay andedm indesicribable woight to his anxiety :" and "stopiperl," he stys, "as we had now been, ut the wery thesinofd of the Northwest Passage for nearly bour works. withont atrancing twice as many miles to the west ward. shapernse at such a erisis was scamedy the lass paintat beranne wo knew it to be inevitathle." "He therefore detromined on attempting a journey to the westward, endeavoring tirst to reach smme al the ishands lying in that direction, and by passing fiom one to the other, at longth to gain the man land, from whence it might mot, pro haps, he ditliendt to tradel the statit itself, and "thas tu com every doubt as well as every conjecture respecting it."

Acemdingly, on the 14th of Angust he set ont. on the 13th crosed the bomserie Iskands, mul on the tollowing day arrived at a peninsula, which he examined, and procoeded to its extreme morthem point, which was fomm to worlook the nameowest part of the desired strate of which he gives the following briof areome :
 west direction. beding two miles in withh, apparenty very


 loternes ame fin mome than therepmints of the compans in that - line ction mo lame could bersern to the ummet limita of a chan horizent, exepp one istand six weven miles distant. Over this we comble coterain men denh of hasing discovered the
 if we wore on the feint of forme our way thromgh it along the montherm hame of Ameriat.
"After dippathing olle of one party to the fout of the penint for shen of the sea water, which was fomm extrembly sith te the tate. Wr hailed the intoresting event of the mornine les

 chamel just disempered. Which I ventured to name, hy antio
matle sor trance, , ון whid ice nut harving arad as to its
mas delay and " stop ry thresiur werk. west wart. rss painlul eretiere dotwirld, ening in that r , at lolownt t nut, prerand " iluns re re:pect-
out. om the r following d, aud priswas foune a strait, of
:III cant inlat rinuly very nut, arthinis 1 us, tu the of sumpol Inans in then 10 of a chan tilut. (OM wiserel the ruly foll an rht it alms
off the puint (Inely sill tw murning nce of en wn thromesh the ue, lay ithtio
ipmim, the Strait of the Fury and Iterla. Havine buils a fila of atomes on the prommory, which. from its simation



 1 mo."一1. 31:.

This lithe journoy proved satisfactory ns far as it Went: it gave to larry a persomal view of the stratit. mud satistiod him that its wator was that of the sea. But as the northeast perint from which he saw it foms the rastem entrance ouly fiom the somb side of the strate and he dermed it expedient that smmething more of it should be howow, he bow measures acemedingly. In the rourse of a were following, a light northeastryly heres allowed the ships ta be sterced mader all pessilite sal up the stait. By herping on the somb or comtanental shore,
 hmmed yards of the rocks, they suceeded, with the asistance of the boats aheal. in getting thromgh the natrrew dhamel. The lengh of this marowest part of the amit is sad to rextron alont threemiles in the direeren of west by morth: it is hore two miles acouss ant hereps its with the whole way throngh this namon part. 'I'wo remsiderable istambs almost shot up the said part. named
 gaint on the formere of which, being directly apmeste to (:ape Northeast. forms the now thern point of the marew entance, to which lary assigued the name of ('apre Wanye The ships, howerer, wrore som stopped ly apmently permanemt ier elinging to the shomes of the athere-mentioned ishmels and of the contiment: ${ }^{-}$and
 all the pasteron embmere of the stmit, and at $n$ time when wo hath exery reason to hope that Nature. thonsh hithFrtu tarly in her mmmal dismption of the iere had at








Well as that evory information shomble benined, as to the

 ont in difterent dire etions: that for doredines the point in ynestion comsisted of Vr. Jinshman with threr men. wnder the orders of Lientemant Redil, who was instruched to proceded aloug the mothern emast of the stmat to the
 sperting the termination of the strat, and to retmon to the shigs in lour days. By his report it apperats that, hy an whersation on the aremed hay of his jommery the

 (that is, the south shome af the statit) grallailly trembed

 Hs all extensive prospert to the west watt. and wo ennd




 north) br give the mame of Antritere and to min inlot in the same land that of White: and he comeludes this pary of his monet bes stime that • the oproning of the stait into the Pohn sua was now so derident. that I comsider-


 two western prints at the stmit: that which is mamerl

 ing to the somblarar. and having a hroad combince intu

 of twouty or thirty milds mas be very mastisfactorily

 miles, which. compmed with its length of sive miles.

 may be amply sulficient to admit a pas-ige into the P'u-
har sia fur shipn of a modrate siza, thomeh it is protly rertain that tur ship will rar allompt it, mot merely m arombt of the iew will which it aprats to her proma-
 ting down it, oreasioning such in lmmithoms swoll and dsturb:nee maong the ier as must rebider in still more dangroms for shos to muchor in my part mear the chsteru momb of the strait.
The etth of saptember having now morived, Parry
 main in this sen, hair sitmation being onn of almast ron-

 which was accomplishom, though mot withont imminent datere to both ships. 'The sithation was not wery favorable for passing the winter in, hat, hy cutting a canal in the ier as ushal, they were phanerl in sembity. The whole hength of this canal was 4343 feret: the thimberses of the ice in the lesel and regular parts from $1: 5$ to 14 inelos, but in many places where a suparation had orerimed it ammmed to several fert. "I can mot," says
 with which the men contimed this liborions wow dur-
 $\therefore$ for and bure as low as - 9 in that inturabl.

Bamer now established in winter quanters for the seremad time in the preson voger, Pary's thonghts wore matually employed in considoring what finther steps dombl be pursand, and what expedient he shoald have rerourse to on their liberation from the ier some ben or weveln months hence. Jlis resolnte and enterprising rhanacter was mot likely to be satistied with the little progress that had berom made in the diseowery of a mothwest passage, which was the main olyect of the voyage. Thar measure he comtempinted apperirs to have been a bod man, and one which, situated as the shipe were, combld not possibly have beon untaded with my adrantage to that ohject, mul would, to a eertainty, have been productive of fatal results to himself and the whole erew; but let him speak for himself:

- Flattering as our prospects appared at the commencement of the $\mathrm{P}^{\text {past }}$ summer, our eflorts had certainly net been
I)
attemed with a proportionate dagre of sumerse, and lithe satisfartion momatued to wat the elone of the seatom but the rom-

 doed, but osinslo ghane at the dart to pererive that what-

 ceal lams, viry lithe hat in reality been alleved in limber-
 of the desired oproning into the lodar soa hat been of an pacictical bendit in the proserention of end enterpise; fin we hand only diseowern this channel th find it impassable, and to are the harrions of nature impernetrably etosed against as, to the uthosi limit of the mavigather semson.
"Viewing the matter in this lisht, it appeared to resolse itself intu the single grestion, hy what means the resomees of the expedition combla posibly be extemded beyont the pro rion to which they were at proseat calentand to lasis, namely. the close of the year 1821. Only one experlient sugeremed itself hy which that ohject could he attained. and his I deter-
 vent it. It was, to send the Iferla 10 Euglamel in the followfigs seasom, taking from her a twolvomonth's porisions and finel to complete the linges resources to the rom of the vear 182.5 , and then combinuing our ethirts in that ship singly along as a reasomable hope remained of our whmate sutces.
 he derived from this phan, the tirst of wheh was the opportumity thas athorded of tramsmiting to the Lards Commissioners of the Admiralty a firll aceomint of our past prowedinsand present simation and intentions, wherehe, perhaps, much needless anxiety on our accomt misht be prevented. It would alse, as I hoperd, allow their lordships the option of making any alteration which they misht now deem repnisite in the armagements pointed ont in my instructions respectins the ship to be sent to meet us mear Behring's strait, fir which the orders might not, perhaps, leave Enerland before the artival of the Hecta there in the antume of $132: 3$. These were, however, minor and less important considerations; my principal olyject and eletermination being to persevere, to the usmost extent of our resommes, in the prosiemion of the enter. prise with which I had the honor to be charged. Having surgested this expedient to Captain Lyon, I hath much satis. faction in linding his opinion entirely coincide with my own. and without at present mentioning it to the other individnals belonging to the expedition, we continned to consult together from time to tine during the winter concerning the arrange-

II littly sil* Int the conto wh llatrool - puimel, inthat what10 IId its :nlyin limelior 1 diaroviry
 lin we hanl , illid in siro that to the

I to resalde
 oud the ${ }^{n-10}$ 1:1. 11:4mels. $t$ surceraliol this 1 ilotorarise ler prosthe followwisions mul al the vis! ip xinsty a late sherós. as likely 1 "
 Commission-procorediasAlaps, muth crollad. I: (1) option ot 2ll regnisite aserolin: it. fur which
 These worn, s; my puin(1, to the nt-
 , I. Huving much satisthe my own. - intlividuals wht together he arrange-

 1': 3: ?-:3\%. 1.



 dritt bept out, but a good sheltered walk was mbinded
 -



 'Ihis wis, howeror, the hess aguisite, mul, indied, ratimely
 manas. whase daily visits to the ships thomernom the wintere

 cond pmsibly have diminhed. One perple ware, laworar,

 monlingly took jhace soon ather ome arrival at loloulik, and



In the mention ol the Fispumans, some of whom. it appoars, had come from Amitioke, amd anmore whon Wrore many of the old acpuanintances of Winter Island, it might lave bren experond that liglink wonhl have heon momes the first amd foremost : lmo, strange us it may aprear, the namo even ol this cxtmordinary porson, fiom whon so mach valuable and corvert information hanl been recoived, is only once mentimed, and then rathoi reproachtally, as a mane in the groneval ncronnt of these peopule ; min acoment that rextemets to nt loist a humdred pages, deseriptive of their chancter, mamers, and customs, and detailing the varions thansactions that fook place during the conlinement of the ships. Anomg the visitors from Amitioke was that distimeruisherd youth 'loolooak, the son of lliglink, who is repratodly men-
 - on a girdle worn round the waist by 'Lowlonak" mother, twenty-nine deer's ears, procmred by this young man's
own exertions: a gidde which shermamaly wars, as


 ynaintamere, phite mamainod his former rhatactore of

 sur romembered but as 'lowhonh's mother; but lany
 - Which wis worn ("smally) round the waist of his mother." but enough for the present of the Pisignmalls.
'The apperamere of semery in somme slight but meynisame sumpoms ronld samedy be a subject of womber. comsidering the lemeth of time the ships aress had men
 $\therefore$ And as they lum boun ly any suphly of fiest anti-
 Anlod in the ammals ol hatigation. 'Tha month of Angn-t had commaneod, when, as P'arry ohserves, $\cdot$ incrodible as it may appora, the ships were as secomely contimed in the ice ns in the middle of winter, excerpt that a peed of water mbont wior their own lougth in diametor was
 ands, " motwithstanding the apparent hopelessmes of sawing our way throngh fon or tive miles of ice, to besin that baborions process." Diy the bith of Augnat abom fome hombed yads of ice were sawn thomgh and hoated ont, leaving mow a brand amat eleven homdred yards in lough. Through this, and by the disruption of the thee, the Fury was liberated and iloated into open water on the rith of August, and on the $1 \because t h$ was folhowed hy the Ilech. Parry, now that the ships wore buce more allont, began to retlect on what he had proposed to do on the retam of smmmer.
"When the tatemess of the season to which the ships hat now been datand in the iore is cemsidered, with weremere to the prohability of the Finys ctherting any thing of importance during the short rembinter of the present smmer, it will not be womdered at that, compling this comsideration with that of the hath of my oflicors and men, I began to entertain doults. whether it woild still be prodent to adopt the intended meas-

WCirs, 1 hor mils. hat not 1h. lontser 1110 Factor. , , $\left.\right|^{\circ}$ haind and he 110 lonhut l'amy ha wirilh: isi ot his he: lixpui-

11 mergiasof wonder. Wrs had ho
 fie shls mati* 1 ol : \usいーt - incrodibs. Iy conthater thal a poul thatrol wals arturre" lue exsill'os $010^{\circ}$ ico, to brof $\Delta$ Ingus romgh imel II hnindiend disinption l into opr"l the was folships wern e liad pro-
ce ships hanl
 importance $\cdot$, it will not vith that of rtain domhtis nded me:is:








 110.1."——". 1717.






 lhe frivatim of many salatary orempations, montal mal







 heprivallum at liresh aminal and veremblat fonl lom abono


 lions mble eontimements, tho soliturle of a sinshe shije, and fin painfal memotany of a third wintor to men whons lomith is provarious, would in all prohability be attemeded with very nerions conserfurncos."



 possible 10 maverate lins mows so liar passed that mothines matroial remb batiedrd aither by omm or hath ships.



mad llerla, mad that it is mot motil that protion that yom





 tur riok the sality of the afierem und men commithod 10 my chatre, mil whom it whe mon my firl wish tw swomatae in soml heath to their conitry and their triomk."

 thes stom ont to the eastword, amd timal! lowh their Sppatme form Selowik. 'The coment mpidly haried
 miles in twentr-fon homs, thomeh clowely iosert, and withont as sumbe pool of water in sight the whole tinne. St and plare the ships wore whitled romme a headland at the mate of two or there hatots an homs. Aftre passins: the Bamon Riare they were driltod ont nine ar ten milas from the lamb, the iathormer of his river having probally thas sod them ont. On the soth they were flase 10 W'intrer lalamd.
"Thes hat we." siys l'arry, "in a most singular mamer.
 single ancerofin exprom on our parts lewand ellecting that
 aloun one hamded and sixty miles atome the coast. Of this






Boing sed fist in the ice in procerding to the southwart, a strenge worroly heree on the bith of serpermlar allowed then to shape their comse for the 'Trinity Islands in a pereforely opern som. From honce they rain


 " dirst trace of civilized man that they had seen for
hat yout Hame：＂ ＂ury inl bury in luc ：Slls．的，吅川＂ chore ns． mmilhe： wish t＂ and thair
strivathen f．Ansum wh thoir －humrinel Clly－ulle Sits and ，tr time． lurallainl｜ ior priss－ nine on ar having ＂y wero ＊ircolv： cting that ：ttim was of this －distimer bly besen． vius horn thward of
e south－ Sיptrill －T＇rinity they rim － 10 hartho wod the scen for
wrol－mil－twenty menths．＂Ther hinduess whirh they
 findinely dempin．en：













 we mend to Hime who hand bron about one path and alont



 at enerey of the pramber．combinel to prothere an aftect of whid wiods can remere but lithe inhei，but which will not maily be aflacol from the minds of those who were preent （1）this atlectine actasim．＂－l＇，ask．

On the 1 －th C＇aptain Parry urrived at the Admiralty， and the ships were paid ofl on the lth of November．
On lowhing late in the horrible matigation from the
 Xiddletom＇s Frozen Stmit，alomer the coast of the land which suparates l＇rimer Resent＇s Inlet trom Fox＇s（＇han－ mol，aml the same villamos hime of meveation ulong the
 mumbe of the loury mud Iherla Stmit，there does mot
 another ship to that ymator，erem hat the navigation of that strait heon always apon，satio，and commaiont．lin in that case it condel net allond any momatiges．It aperns into a strat．ammen islamis of the Polar sara，rallod




tronded to the sonst of Amorica, the iskands in that conner are so chastered int crowded townher as to what
 ships to the westward, athl mo man in his semses wombl
 loe conld ${ }^{2} 0$ there dired in half the time, and withomt :aty of the danger which F゙ox's Chammel and the loury and Herela stain wonld areasion.

Towned the comblusion of his namative, Captain Pamy mpeats his opinion of the atsatutases of contimmons lame in the mavigation of the Polar steis, and that the prineiple of constmg the mothern shome of Amertea mast still the rarefally hept in view : and he alds, "there is mo
 h! for this purpose as l'rimere Rexemt's hulet." This opimion, thos publicly given, is ohvonsly an indication af

 timents on this heal. Amphe prof has sime been sura
 segmemty by Simpsom, han the comst of Norlh Amerieit. Which is the somphern shome of he Polar sea, is matiga-
 large shipe conld mot ittompt it mbess at a very romsidrathle distane firon the shore on the sait. anil ontside
 portion in partientar. run pamallel the the chast.
at ros. , whllit. 4 lar! ; womlid If wholl without
 ו liary sland prinaiMisi sill or is 110 fivora-
'This :10, of - 11 mas $y \div s \times 1-$ - 11 mind snh-
 : Hatrigaand that comsidolltsid.


CAPTAIN G. F. LYON.

## CHAPTER VII.

## CAPTAS GEORGEF. LION.

$1 \times 2$.
 his Majrist!'s ship (iriper, and throme to the Petrer Cowest Of Nioth Aimerira wer lamil.
 muler:

$$
\begin{aligned}
& \text { Groree F. I.pon, Caplaill. }
\end{aligned}
$$

'flomman Fixma, Purar.

This incomplete vayger has only an indireet relation
 hasing been to complete the land surver of the msion purtion of the morth comst of North Ammera, from tho
 'Turn-again, whero ('aplain Franklin's late jommer brminated. Being, therofiore, commered with Aretice dis-
 manderl the secomil ship in liary's meond vorine amd directod to procred to the samberntion of the Aretie sus where he hal ulremly bern with lame it is deom-



 paniod with pions •rsishation to the bivine will in the



Chamen of British semmen are exemplitied in this woyagr.

In wider to eflier the object in view. it was dereitent,

 Bay, umber the orders of an melligut ofticer, who, with

 pheses, and traverse, by land the wromen shore of that prominila, and the norithern shore of North Amerial, to
 ed for his surviens, was suleced ly Lard Bathers fir this duys: and tho Londs Commissioners of the Admi-
 tw ererive hime gave him directions to leave the ship. during his land joundey, in charge of the senior lient illit.

Lametenayt Fusets Hammen, ufter paying off the, Gripure serwd thee yars as lientemat of the bismir, then in the Ileda, and was made commander in tr:00; ho sereed in thut ranh in several ships till the yer 1-3: and whe promoted to the ramh of captain in the general prometion of $1+31$.

Pexpe Masieo was inald lienteman in 1F14, served in the present voyage, and is still on the list oi lientenants.

Anns Ton was promoted to the ramk of liemenant in 1-2 6 , wher he still wimains.

 the shome of Mrwille 1shmul, and ('aptuin ('lavering hand but arived in Eugland in here, at the amd of the prend.


 visioned. was fontal to be tow therply lathon to mons then


 pany the dipiper umil she senched the ice, ar mrised of Cuy. Chitloy.

They saled from darmonth Roads on the 19th a!
tis voy-
lewitul, mowni-
 tive, wint Marke? antioner - of that (ricich 1" promutmill:s fow (1. Allui-1-01) tomes, thersiip. - lienturn-
g off llu o Eispuir. in 1 r: $: \mathbf{n}$; aly e groneral
4. simend i hicuten-
|tenant in
Mrsm IIT ier and ring had "precond Tromitail. nimen :mul (11) (rins ho. sumbing Bulluck, 110 :ax+ nrvisen ofif
(0) 1uth o!
 :al of July." ('aptain Latom sils, "wn hoisted in two wey powertal lithe ponios, pormed at liohwall, the











The wers of all was. that the shegish (iriper repuir-







 haid dise. withont which sheromblom have mulde any


 G.mes ind porisions wit of the simp, he whinh the deches
 tho

 - -









## On the Gth the Ceriner had npprouched Resolntion

Ishmi，the sea covred with hose henve ice．but the day described as lowely，and the shy brilliats：sed the bill－ bancy and loweliness which sumommen（＂aphain Lyon
 sumation of tomelimes he had never expernemed on the
 Want of an ancompanying ship，if mot lo holp ase at lasi to break the death－like stillesess of the serolle．＂Nown－ der at this lerelines when all the rimemmatumes of his per－ stimen are comsidermat．

It mast indeed be owned that there was at mene than
 givh ship alome thromgh a mas matom which had herel














 littlo nise in this mimhabited and desolater part of the ツんが。

 damp．＂＇Jhe two pemies．therefore，with the duchs．










thre diay lo．herill－ 111 yon ling io a 11 all llo s．＂thr ，int larast． NぃWいい－ of his ju－

Ifre thatl ： 1 al slac liad｜row fle＇ult allil ！ir in lhis is limu．


引！•・ロッー $\because$ is lial ： $1111\left\|\operatorname{lil}^{2}\right\|$ H10 1101 （ii），जाल －locolow？ －届 Wンに
 1． $110 \cdot 011$（11 H1 of 1110

H1い！w．！

 －whッド・
 －リリウにはいバ。 cillol lllaz 1 brollult （1）wodl $\therefore 1$ hast －lumal et frinet $11 \times$






 1





















 mis of the polat star，had Jossemed its ustal rimor two j＂mits．

1s Cuptain lyon wat taking his walks on shoma，ho


 Wily 1 orscine



 O










Thar bather they foreoded to the morhward up the


 that they were the simme at that time. A thich fies atme
 phared in the remplasis. mul withal the whare shallow-



 a half fathoms, the ship pitehine bews under, and a tre-
 numan in what direptom and how distan the land misho be amd mader the dread. mowewer, that the linlling tite
 stan the total destruction of the ship-in ortar to pros
 perpared to be hemsed ond with the lome smatl omes, and ordored to he stamed with arms, ammmition. mud pros




TO rill: s\ow merivi.
 Hath fimblewe elarm- fin hare;
Athumsh the spirit hans has hed.

 Erome fom harm or ill.


An? Bke urr awn limiliar hims



a mer， lic virthe． rind han rhiop allul 111： 11101 ． I1 wiNh！ othe lion

川吅川い complos－ llis，ill his． i．W1）show小 live and
 r shallow－ 1，strerame Whetimily （111 ： $111 \cdot \mid 1110$ ＂five allul alll ： 11 1r－ dition，i上－ aml minh intling tive ally arail Br｜ wh：al Wals IIIIM和： －：anl poro－ tive hoats．
yin whe lith a rit in the way ：
mad her Shiperompany wore stationell th them．•• Fiv－










 matmally romerived to lar the formommer af hor tatal

 hatl mes lof these derks，athl the raptain hand mon berol in hod for there ninhts．



 funt and romathet on this trying neravinn in his awn words：



















 when ull hop＂of hat had lett us．Nuble as the chatacter of



 therat, and the men lan down convoring with earh other

 the resignation which was then shown to the will of the . I/ mighty was the ments of ohtaining His merers. (iond wese mercifil for us: and the tide, almost miraculomsly, fell mon lawr."-1'. \%!, :00.

They wre saved; mad the phace of their extreme danger was, as speedily as possible, uscortamed by wh-
 it was very properly manel the Bay of ciod's. Morey. On the fog eleming away it wos fomid to be immediately in the renter of tho W'elcome. 'They now discownil that their thesh wator, on the the of semember, was su Ereaty reduced, than, in their present condition and the situation of the ship, none could be aftionded for the pons lithe penius which had survised the stom: they were therefore obliged to be sureriticel ; the in hay, besides, ham been ull throwa wormand in the stom.

On the 1 :th of sepmember, when they hand amivel opposite the month of the Wager River, and betwoen it and Sonthampton lahum, $n$ gate of wind arose, mul with in also the siat the dull (iriper now mate no prosrass, hat "remminol actnally pitching finecustle madre. with scarcoly stermge way." One ulternative ulone rumained, mat that was to bring the ship up. "Wre limul that the muchors hold, althotgh the ship was dippiner bowsprit and forecastle moder, and taking green seas oner all. Thick-lilling stret covered the decks to some inches in depth, mal, withal, the spmy froze as it fell." 'To und to their ansiety, two or three stremms of icr, with deep, solid pieces Hmong them, were smen in the evening to be driving lown mon the ship. The night wats pioreingly cold, the sea washed the decks fore and ati, constmat sum fell, the lower deod was athont the ment? hammoes thoromghly soaked, and the poor fellows cond get int rest.
"Never slathl forret the dreariness of this must onvions night. Our ship piwhed at such a rate that it was nut porsi-
f damforty Mtierod. H1w fionn :1, whor rwith hi meol hat oit ther . 1 . (ind was $y$, fell un

## extromo

 all by wh$z^{\prime} 0^{\prime \prime}$ anll s M/tre!. mediately diseovorril ar, was an an and lla ar the pow they wror esides, han!lad urvimal ad botworn anose, mal le 100 prosstle under. (r) ulane reWe fimult as dippiny II seats urer ome ineles fill." 'T" fice, with the evernnight was re and ati, the men': low wh could

10:t onxims as nui gosi-















 whidh hurs wro."-l'. 100, '101.


 It hawn on the lath the best bevior and her partom, and

 In shor, He prospert was bow mont problous and pitsmathe。
-. Iti I. M. all finther dombts an this protionlar puint were








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 ?


 cituly prenerval us, gramted in-his protectom."- 1 '. 10:, 10:3. 11 $0:$

 the henst iden where ther hand mehored or whome the?


 stanl: and all hathe boine wor and hall forath, withon
 sthathom," sats the raptain, " was remberen miserable in the witrolle."

- In the alformong. havine well wotind in me mind all
























 vither to embernor to lot the ship that with the sumther-




 litile reliance to be phend on the compasses, they thouph:
lıls（011－ （11 flasills H．rrethe！ lich remit． \％rll sllow masilh．l11 11．willım ars．＂ iserable in

Mr miml ：1！ ilrow d th． ｜ant all $\quad$ ull
 ＂x．xneral la
 ＂the smatho －｜lי＂I： ainted：wim
 －lourr uinds－ －－hip romblil Hhrr．I hat rows of the plan line mat
r：withont Whirlı，w－ （III could tro $\because$ Wis Has
局・はいい1？ lufe wl hin－ Ala：slolictiont －iplel lionn wow lolt：

 1－latil．In $\operatorname{lor} \rightarrow 1$ 10 lin いいl H6 thr ，Will lı． fey thomult：






































 spirimed bittle timat of＂doe lyine down und gomwing a



IMAGE EVALUATION TEST TARGET (MT-3)


Photographic Sciences Corporation

 the atimat" :-
 molul.


 the wernher and wath of the sua wer the shap: athe
 comeloder his natrative:










 1'. 111.
 time example al manly vesulation mader the nust dis-
 vine will. on the pat of hoth altieress atul ment, al a time when a fatal erisis appeared to be inevitahle. It is man



 as, tu men matacentomed to them. womld bu apt to co:ate de-pais. Wharther in the present instancer the oritical reve of a thomenth-bed seman might or might mon diseover sumething apmoxhting 10 indiseretion in eondactime the navisation ol the ship darine a donse bere
 homwing in what dimetton the land hay; whether it was



[^11] writy of iij：：：nul rion thin （pwititun． ＂：illıw．．．

 ハーッハ，1 pire lithe． … Binh －…｜n＋4 th asar．Nan nut．＂！n－ ＂LI世 14.
displays it musi lio－ （1）the 1 h －all al litio It is ons iows char－ иріспои．
 Hties ：such 1pt to cra－ $\therefore$ ther erit－ mivily lim On in cont Honse fus． wrive，wil ther it walk －Hewe ： 1 men ： 1 all ．1 ly $\times 1,1!t \cdots$ wh－116＇い 11 －icel．




 ander comsideratom．and whim are desersinge of the
 if lot－for the chaire of hatas．＂two of which tman in－ abild hane swamped the mement hey were het down imto the spa．＂and blar cool and orderly manmer whinh

 bar in the character of British seamen．nen to be finmed in any ohere class of ment and are worthy of all admimation．

The shif，is emmemed hathe captain for her strenth．

 Howl with this worst of all persible mavigatiens．hamoh

 －pitameryen spas．But howerer fit a ship may be to

 sont into then alome．Thar smallars of her size is now

 fore stated，they were tasely，if erer，sem alome：wo


 hanam bexines，must emtail rertain destruction on the life：


 the same quarter，and fir a simitar purposis－an wer－ sight which，it is to be ammestly heped，may nene． asain be mpeated．＇The people of England himw the
 which is finiry and homestly bestowed on her mass．he sum of which is laer semmen，whese lives，were it only out of nero policy，omblat heredtersly，or from atmo－ tahern frugality，to be endanered．

## CHAP'TER VIH.

> PARRY'S THIRD VOYAGE, $1-24,18: 5$,
> for the lineorerty of at Northerest lassuge from the Atlantic to the I'ucific, in II. M. ships.s Hecla atll l'mery.

The: two ships appointed for this service were the same as on the formor vorave, lat Pary now tow command of the lherla, and Hoppore of the F'ure 'Ghey were commanded, oficered, and mamed as mmer:

The Hecla.
Willion E:dward Parry, Captan and Commminder.
d. Lamd Wymb,
 Henry Fontur,

W. H. Howner. Puser.

William Rowhand Assist. sure.
folin tiruntun,
F. R. M. ('rozior, MidshipCharles Richarras. men. ilor. Kiclown Hata,
$\pi$ onlicers.
dianc: Harrism, Clurk.
d. Brohlere, finmer.

William shath, hoartwain.
Gicmer Fiddi, ('arpmer.
dolun Allisom, (irernliad Mastor.
(inco. Champion, (irymbimd Mate.
(i) Warmant ollirer.
4. Framen and Narines.
(iz Tolal on boar.l.

Fins.
II. P. Whemer. Commanler.
 A. Al-arm, surem. dian's Ihuls. P'urser. Themat Bindh A.sistamt Rurem. Broma Wiraroph, Mishaj. Chas, Crump Whiltr,
Edward Mird, Otlicere.
William Mogre, (matk.
Jame Marere, (immer.
Willian Wintworth, Buatewin. Chathe Puriur, Carpenter
(inoran Crawlord, (ireenland Ma:tur
Thomat Do. ddson, Grecolind Mate.
$\overline{6}$ Wirrant Onters.
4. Examen and Marines.
fio Tutal un beard.

Any thing approaching the shape of ath apology from Captain l'ary himself will be deemed, as it onght to be, shperlhoms: nor will it be thought necessiry that, on the introduction of his narmative, he should be called upon for any explamation. He says:
"I have comsidered it cexpedient to avoil all minnte and terhaical dexeription of our tirst seatemes opremtions, which, whaterar vexation here may have cost gmselves, womble probably have aflorded little interest or anmsement to the
public. In the ciromstamess attending our seromi season's navisation, and partionlarly those relatines the there of the





 dur/m, 1 . xiii.
 with I fre in the Alexamder, ame alen as liemernant in I'arrys so preceding wotages, in all of which has was romsidered an ahle, antive, and zealous witicer. Ho had therefore worked his way to the rathe of commandere.

 ment of these anterprises. I feed rery prexible obligation fim his stemly and presperting zeal in this service, mat for his advier and assistance on corre orasion."

Laferpaner Fostan is highly smonen of ly ('iptain Parry " for the varions and maliphed hamehere af usefill reirence to which his attention was at all times directed:" and he adds. "olur ohservations upon atmospherice reftactions in high latitules, and on the dimmat
 terether with Lientramt Fosters experiments with an
 read before the Renal society. Ho was alse tirst lien-
 (14 his uttompt to reach tha Pols. Ite aceompanied (harering and sabine in the (iripere to spitabereran and
 ligent assistant in the peadulam ohservations. His bast - rime was that of co-operating with Xr. Lherd in hev-- fines arrose the lsthmas of Pamama, when he was mofommately drowned in the River (hameres. By his teath the service was deprived of ome of its mosi usplal, able, and scientifie mavigators, and his luse was foll and depply hamented by all who hat the pleasure of his adequantance. Dis dhantactere in fiact. Was extahlished as anmerg the first wembitice officers of his time.
 not be said in praise of this young offieer, who worked
himself, chtirely be his own exertions, the thenk of lientemant. and he his own self-tanght actuiremmens,
 arrived at the highest stop in the serviee (short of the flas) : but more af ham hereatior.


 and is now raphan of the Willian and Mary rarht.
 mased himself to the rank of captain in 1-15, and received the homm al K. Il.
 to Dr. Simmel Nemi, who. in aldition to his protissional duties. cmisely sumprimended the poblice collere tion of specimens of matmal histon? and has fimished a batiety of important erological notiers ;" and he refirs to the Zowlogical Apmendiv hy Limemant Ross as "fornishing ample midenere of the attemtion paid by that sentheman (Neill) to this deparment of scienere, in addition to the immediate daties of his stathon."
 whiest, who, hy his talouts, attemtion, and emergy, has sheceeded in working himself np to the lop of the serviere. Ho was lientemant of the Jlacla in Parrys l'olar vosage, and volumerered with (aptan dames loss to go in the midst of winter into the Aretie sean for the relieg of the missing whale ships: was mate captam in ithe and commanded the seemud ship in ('aptan dames Ross's Antatetic Expedition, and is now second in command with ('aptain Sir . Iohn Framklin.
dons Brexpos, the collmoure of Cozier in this vosage, arived at mo higher step than that of lientenam, and is mow serving as such in the (onst (inard.
 men, do not aprear on the list of maval ofticers.

Benk hey Westropr, midshipmam, was made a lientemant in lo: 5 , and still continnes so. having left the mary for a civil employment in the Jmmane Sociely.

Fowand Batn apperas on the list as a captain of 1643 , but he is not to be fomnd among the Arctic royagers.
rank of
 nee, he I of the
 good and in 1-:3-, allt.
sיrvire. , anil reimulobterl S profisice colleretimuishoct if her re1 Rouss as paid by ience, in
ns yourng rys, has - the sire $\because$ s loblar oss 10 he reliel in ictl. ershosss command
fhis vosrutemait, midshiple a lienleft the ciely. lytaill of ctic roy-

Abfan MrLares was appeinted surgeom of at ship of tine line.

Whatay Habser foopra, purspry was the friend dud asooriate of C'aptain larry, and served with hita in the Alexamder in liosses wotase atad in all the there of
 powarded for his serviers by a rivil appointment in direenwich llespital. where he died. and his witew is mow matron of the (irecomieht sehoms.
'The ships sailed from the Nome on the lonth of May,
 them. 'Their instructions were to mahe the bexi of
 Somm, And, procerding thengh Bancon's shait, en-


 ritic. 'The reason assigued for this route in the instructions is, "' 'he strong opinion which you have romeryed 10 Ins in faver of the attempt thomeh Prince Regents hatet: the combident hope which yon express that the ire which, at the pertion of the seate when you visited dile indot, ohstructed your pasatar, was likely to he remowel by circomstane of season and weither within the mavigable part of the year :" amel. it is added. " the contidence which we are justitied in phating in sour judgment and axpriaber ilatemine nis to anthorize and direct for to pursuc the comse which you eonsinder the most jommising, mancly, throngh Praine Regent's Inlet."

On the lath of Jume, having remehed the lititute of (i0, ${ }^{3}$, ther saw the tirst ierberg. and from that ti a fell in with those bedies of icer almost daily. At a tamish actlement in Davis: stmita called Lievely, they timme Lientemant (ibiat, who had beone emphyed on at surver of the (ireemand eomst, and reweived mied divility from him and other gentlemen belonging th the setthemem. Is soon as the stores and provisions were tamshipped,
 home. On leaving the handor the Howla strueh on at smben rock. On the lith of July the ice bergat to close round the ships. "From this time," l'ary sitys, P

 ahmost romstanty romplayed in hembing. wapping. of
 at the chse of duly we had only ;ermermend seronty






 meded in reldasime omesedes form the more than wedimary harrior at ier in the midhe of Batine: Bay."


 in whiel sithation, trom the experioner of $1 \times 19$, they

 timed till the -th of sepmembere then in latitmer it
 N.N. $W^{\circ}$. of the sthation in whirl they eleared the "pack" in the year 1-19. Fonty miles fiom heme
 rimi aretion of risht tedions worlss by the ofticers and mell tw mereotme it.
'The extmordinary wather which areompamed the low temproathre of thans is toticed as sometheng remarhable. It is stated hy Pary that, of the thimerome dals in that menih, there was a thally hat one in which
 some pirt of the twonty-fome conserntive homes: and the mertherty wind, which is the nsmal hathenger of a Hoill, dry, whelesombe atmosphere, was just as thick as any wher. And he adds, " tor tern werke in Inly. Inghst, and S"Phember, thong we were comstanty watehing lor an opportmity of aring the shipss companies heddinge on clech. we could anly venture do doso sume."
 Balians: Bay. Pary motiond the set of the cuments by which the whole body of the ice might be actuated.
turle, mut
 wing or coss, hatt, d severnty $10 l^{\circ}$ \11suing the iss. ." thee - ainl Wils hich monजrmoth." - Wr sill than ordi:15:"
$\therefore$ ti 11 tha
 li 1.i: 10. $1-1!1$, they have herin
 tituto : iles to the loired the onin hemeo 111 แดweafiferos and bimiod tho rthing ro-thirty-tho or in which teng daring ouls: and inger ol a Is thick as Inly, AnHy watert'ompanies'
 strait aind nrent: hy actmated.

- It was ohvions." hae sitss." that a daily sed to the comth"and ohtamed when the wind was berthers, difternerg

 fent was rymally aplarent when the wind bow frem



() the loth of suptrmber ther entered that $\cdot$ matr






 hand to " sallying." breahing it with batts aheal, amb varims othor rexpedionts, all mlike inefiectual, withoul a
 - so that, atior seren ar aight homs of maneresolal latbor in this way, we were obliged to remain as we were, timly and immo ahly hear." 'Thus lin throw days they

 windward in a litto "hold" of open water, and alior all rather losing eromad than otherwise. while the yomer, ico was erery hom inereasing in thickorss.
(In the 10th they fomed themestres driven haek to the
 bia in thichness. 'This was certamly a most sewore trial of the pationere and perseranere of ('aptain Pary of a

 him that as, in crossing Bathins Baty, he hand expmonded
 muder partionlar circomstames, his instrometions amhorind him to retmon to Englathe, it was high time to mako up his mind. which was to him a paint speredily deceded. " I conld not," he siys. " hane a momemt"s hesitation as to the propriots of pushing on as far as the prestoll seat sun would permit, and then givines at tair trial, during the whole of next summer, to the route 1 was directed by









 ather this derisions ane of which, hownore matbe sall











 ised in cirmest to tahe ihome as at las it disl, into Prime.




 ships thas fare" 'Jlow ald procerse of ratting a camal in the ier for the reophtom of the shigs wis resulted to.

 the ships were waynel into ther winter stations, whirlt wr hat the satistatem to think were estromely faverabhe for all raty release in the sprine."

Nothing remarlable was ohsemed in the pasag throngh Lameastrer Somm. A han was som on sheme in


 a peat to that of a walnut; the roch was of genes famma-
 1 1h1．以 hiod III tha．
 al as will ！rivellu－ Ithen． Hur tria＇ ＂mindrow $\cdots \cdot|x \cdot-1: 1|$ ivil：al due
 421111 m il．with： ｜erly ill ： whill wro hand hown a leaguc l：x｜c｜1 $1 . \mid$ Sill ther \％which d．prom－ to Prilue． IIp．llu？ ric．＂say
 bun listle． יmsintho a canal in anted to．
 pmis．：ant 1s．whim ly fivema－
 In share in心．＂Th＂ ared lidd い sizい い as format－
 1）－














Thas lumy har finth wintor whirh Pary was home




 lima ol tha－：lllail phomomionat．









 ＂Hu whole fimily if mam．＂Wimore alter winter，matme



 पो




 I $\because$
 in Shat, hat life. In the wors silene there is a dimine...


 while fimaikin,"-I', J1, 11,
 in the highost terms of Sthentors .0 wamine mplation fins," to whirl he aseribus the combints and comernienfors, and with them the gemeral heallh of the sammen, wheh excerded those wit aty lamor exprobione: " is contrivaro." he says, "al which I semerely haw how to exprese my admintion in matrate tarms."
 store in the wery bethom of the hold, promberes mot onls has
 pidity of the coment of Wam aid, and thas camyine it to all

 allt, which hatel not beron inticipated. 'this was the furtion allul miform warmith mantained doring the winter in buth
 Hs: mothor hahitable deck. on which mome than ate thire of the mon's hammess were berthed, thas athording to the

 berk, and twier the volume of air to berathe in. It nerel
 and to the perention of moisture below, sum an armane mulnt powed ; suthice it to sis that wo have mever before been sufree from moisture, and that 1 can mot but charely attributo: to this appanathe the mpmeredented qual state of health wo choved laring his winter."-P. H, 4\%.

It is ereatiy to be lamented that this testimme of the good rifects of a very simple contrivance hat not beres aftemded to before the ineffeiont, troublesome, and exprosive quathery apmatus had been permitted in cermin of her majosty's ships.

The preparations and precantionary measmes necessary for soreming the ships onecopiod all hamds for somes fimb, and they wore not limally setted till nbout the midedle of October. Parry omits no opportmity of recoriimg whatever may appear to be comblarive to the benelit, of trade or mavigation. Thus he states:
'ans llime. divaltu... intr. Th. culimule of hatre firl a

Mry
 - mbernish - sitillioll cmere: "a mow low
liwitus Hhi= 11 only the ing thir mll atsiliser, lout simpurt. the yertiot ler in boll
 ne thirt of ing tw tw $f^{\prime}$ the sean, \& fire their

It nerd rentilation. 4 intianco eforelent ly attribut: hacilth wo
ary of the 1 not brems e, mind exed in err-
res neres-- for somur t the mitof recorithe beneli?





 amithits, bat I hase me domblhat many mure than ther.
 womblater follmil full wempationi lin har hats. Soveral



The oreapation and diversin a bit the stamens mints. as werl as the regalarioy of the bedily exmerise were mot likily to be mattonded to lys an mimont and aymrioned a commamber as (apmain Pamy: but he wis rqually attemise to what hat beren dome on finture ver-
 the present umbs, a litte variety, herefore, was thenght

 mity to devise any finn hat shomb pussess the dhamo "f movelty to recobmond it." 'This prorpose was comfurdy answored, howewer, by a propesal af ('ommani-
 ame men should alihe tahre a part : but which, withent imposing any mostaint whatever, should hame every onfe 10 their own chaien. cither to join in this diversion on not. P'arry was dolighted with it.
"It is impusiblate that any ideal contal have proved mure haply or mate exactly suitiol to one silnation. Ahmisably
 pints, and many of these were supported with is de-gree of
 at more retined assembly: white the lather misht mot hawe


 Th the dispusitions and good sense of our men, that, homeh all the effirers entered filly into the spirit of thene :mmorments, which took place onio : month, altemately on hourd "ath ship. wo instaser ocromed of any thats that could inforfere with the regnar iliscipline, or at all weaken the respert of the men toward their surerins. Ons wore masfurmales withont licentionsuess-camivals without exeess." .--I. 49. 50.

But an oceupation ol liss ammsement, perhaps, hat
 eventual bemetit, wis fimindord by the re-tetablishment







 10nlio: 10 - ©












The several aficers han fill employment during their winter continement in the varions obsemations 10 which their attrotion was to la directed. Ni, guetism was mo of the rarliest subjerts atter the arection and armarement al the whervand on shore. The interesting lant was discowered of an inmerese in the variation of the


 immosity was imsituted, beheh was dombe a dimmal Chamge of intanite. exhbither a regntar increase from the morning to the atormon, and as rexular a decrease
 siss l'arys." that the sum, and, as what reasom to believe, tha relative pesition of the stat and mom with refaroner to the magmetio sphere hat a comsiderable inflachere both on the immenty and dimmal vartiation, atthonsh the exat laws of thin bumberom may still remain to lor dacemered." It is to be lenjed that the result of the whamatoms that have been carryine on for there


1:1ps, liut ly mire: dishminnt of of Mr. i'my. $\therefore$ iscluol "nt of the wir pros(In of that
 Mand inmbtine od 1 holiarstin Wit to the wor derls Ir beforen H1) whon al . .lawts wing, in theos, $11_{1} \times$ r. the ex. 4. durimy mig thair " which was the arranio ting tatt 1 of the allemitto 193. nagnetic, a diminal se from lecrerise rearral," in to bewith ref*all in tion. in1 remain "sult in' or three samion
 crally rectod fiur observations and "xperiments in all han resurds tormestial magnetism, will throw murh ligh on the interestinge wid. it may be said. mysteriones subjeret.

The refractuon of the athmesphere is tilly eomsidered. and the emethet of obtaining it in low trinperatures is siven in a paper he Mr. Fisher. The obsered refimetions of stares at bie altitudes and femperatures. the solar nud terestrial refrations by ohserations of the sevrrul oftieers, are carefinly registered in: the Appembix.
 siderable pertien of the ir time: but this winter. Pary atas. atforded but hew hrillimu displays of the anma. Gur of them. however, is noticed as something remarhable.
 minue the extreme lexaty of this phemmenm firm the ohs








 dombthat the rey of light atmally pasored within that dis-


It is umberssing to enmmerate the mumber of lanar waverations lor the longitme and those fin the latitme hy the sum and varions stars, by all the oftioees ; the arecomm of the rates af the ehorommeters, all of which are sisen in the Appendix, with an areoment of the Bemealian Samdrupeds ant Birds by Dr. Richardsom, of Butany by Prokessor Hooker, and of Zomphytes by Wr. Floming. Lud it is but justice to all the affierers to siry that they mast willingly and cordially followed the example of tha ir "veellent, butelligent, and indetintigable rommamber in their regnlanity and attention requisite for making the batmons ohserrations.*

An aecount will be miven at the close of this chapter of the sex ral


It will readily be imatered with what anxiety, in the early part of the rear. the reapleamane of the smo was lowhed for. Sombe by ascombug a hish hitlo got andimper of him on the ill of fremme: on the both he was vis-

 But it is a lone time attor the smis reippuarance that the diedet of has rays. as to wambla, hecomes permptihor ; weok atter week passes ower with searcely any rise
 the dhy. In this year Pary says the themomete did not rise above a ro till the Ith of April, having remained below that point of the scale fio one handred and hietyohe suceresive days: but he mentions this as the only instame of the hind he hat ever known.

Parties waresent from Port bowentotaved ly land on the satamast on cach side of the port. 'The first, however, was directed to proce ed intand to the eastward muler C'ommander lloppmer. 'This pary retmoned attor a very latigning jommey, having with diffoulty tavched a degree and there phate"s casterly, in the lat. $8: 3$ 19 ; but mo mpeaname of sea was ohserved in that direction: the combtry consisted of ravines, many of them fon or five hmmbed feet derp, and very precipitoms. During the whoh fortuight's excursion scemedy a patch of vegetation cond be seren; a fow snow-hmbings and some ivory gulls were all the ammals they met with to euliven this most barren amd desolate comitry.

I hares, foxes, and bears were spangyly moth; and the last mimal is not disposed to have any affertion fin mamkind. lastamees, however, did oceme to show that matemal ablection is not wating in this amimal, hut was; as apparent in it as in that of the walrus deseribed hy Brochey:
-A she bem, killed in the open water, on one first armival
 tion in her anxiety to same hor tho cobs. Sime might heredi haw easily caraped the bata. but would tot fimsikn her young. which she was antally ‘ towing' off, by allowing them furest on her back, when the beat came nem them. A seco ond similar instancre ocomed in the spung when 1 wo cub hat ing fot down into a lande arack in the ice their mother ghaced hersell before theme no as to secare them from the at-
$y$, in the sull was aglimpa. wan vis2ed. "alto diys:" hee that
 ; any rise (1) during nete. did remained ad thirtythe only

I by land l'lee tirst. eastwary milled atiulty travolit. $7: 3$ 1 thait liof of them c(ipitons. y a patch tings and twith to
vith; :und ?tion lio how that , but was cribed ly
rst arrinal mal atiocsht heremil mack lur wing them 11. $\Lambda$ sec1 two culir muther on the it
taks of our people, which she might emsily have anomed

'The two wher partios, comsiating of lome mon cialt, mater the reperetive eommands of lientemants sherer and Ross, were directed to tavel, the fommer to the somblamed, and the lather to the morthward, atomes the coast of Prime liesentis lalet, for the purpose of surweing it atcomately. l'ary was imxious, also, to ascertain the state of the ice io the methwatd, to amble hime to lorm some judsmont as to the probalke time of the ir liberation. 'These parties limand the travelines aloner shore so good as to rablle them tor extemd thai jommers lar bevont the peints intemed. Lientenant Rass bromstat weleome intrlligeme of the sea beines

 which," says l'ary, "I comeluded-what, imberel, hail bung before bern a matter of probable conferetme-that Barrowss sitrail was mot permanently fozan darine the wimer." From the tops of the hills about ('ape Sork, heyond which promontory Lientenant Ross traveled, no mporamee of iee could be distinguished.

Lientemat Shorer returned to the ships about tho same time, having performed a rapid jourucy as far as
 to that distanes: and lary regrets that he was mot turnished with more provisions and a linger party, to have rabhled hin to travel romad Cipe Kater, which is probably not far distmot from one of the northern Eispumaux stations, mentioned in his journal of the preceding royagr.

On the 12 th of July the ice bergen to break inf in the norighborhood, and about the same time the ice which crussed the mouth of the harbor detached itself at an ohd arack, and drifted off, leaving omly about one mila and it quater between the ships mid the sea. The men wore now employed, with the greatest cheerfinness and alacrity, from seven in the morning till seven in the evening, daily, when, on the 19th, a very welemme stop was put to their operations by the entire separation of the the aceros the harbor. liy a renewal of their babor the whole night they succeeded in gretting tho


"Oh stamdine to seat, we sailecl." sises P'ary, " with a lisht somtherly wiml, toward the weotern shome af Prinee liagonts lake. Which it was my list wish to
 trom coasting the swothern part al that pertion of land ralled in the chart Xorth Nomerset, as fill as it miaht
 eder we had reason to simjone it womld do, as fill, at least, as the lomginde of as. . in about the paralley of

 and ha for shores were maty paralled weach other: : mad there the arossing might mot haw beren difforolt: b--ides the ertainty of going down all eastern coist, in
 tain Parys wom showing, makes it the mere remathahar he dide not rhomes the fomeres. It might also have beren supposed that a desime to extend the howledge of
 "ron if ouly to examine the operning of the Fory and Herlas simat into the Regents hatef. Which Mr. Raids report haves in mather am msatistatory state. amd ako to ham lowhed inter the (inlf of Whonlere, which is deseribed liy the lisugumana lady.

Parry, howeror, had donbtiose goond reasums fir his choider, one of which was the apparent tendency to the westwat of the shome of North Komerset. 'That he hat well werghed the case aprars ley he own showine:
 particalaty fored itadf apon mentice in the comse of ore
 which is, that the aistern wast of any pertion of hand, or What is the same thing, the western sides of seats on interts.
 at a given season of the vear, wemeally more memotered with iere than the shomes with an opmosite aspect. The fome following instances (he combines) may be abluced in illusbation of this tiet and can mot but apear sume what striking when considered in viowing a :mp which rahinite the relittive pesition of the shores in 'paestinn."-l'. 176.

The four instances he gives are generally linown, and months. $\therefore \cdots$ will shure of wish 11 - deriser 1 al $\mid$ |ann $\mid$ it mish1 r humbl1s fill. ill arallel af t voyasa ast comot. h othor: cult: coisci, in 10 ('in) rembilhia-小sis hase Holger of If י'mindt, "ury anl r. Ricids and als" ell is de-
$\therefore$ lor his ry tollu 'That hir howing: hioh heir rise of wit : resimu. ' limid. or, or intets, =ombl, ine mutnerey The forer al in ilius1t shikins the relitown, iml

 innt Spitahergen, and on the wrot he (imeriland, the whole of the latter eoast is blochere nje ber thronghont the stmmer, so us to mahre it at least in matter of no any moreprise to approar h it, while the mavigation of the casterm portion of that sura is mmmally and without


The seromel instaner is equally wroll howno in the marEation of bavis's stait, whicli, from about Resolation
 late as the month of Angust, while the sea is opern on
 land) many woeks before that timus.
 the enstern shome of Maville Perninsula, on his first ver -
 atml dangromis.

Ther forrth instaner montioned ber Pary is the rast"m shate of Fox's (hammel, where fom that mavigator"s
 "wn ohservation," there is lithle or no iere daring the smon-

 choher with ice.

 hilet: and of whel the events of this and a formor voyand furnish too stribing a proot. the ice apporang always for cling to the westorn shore in a wry rematheble matimor. while the apposite coast is comp aratively fere from it."

And a tifth, on necomet of the accummlation of ice, may be added to the list, byentoming the somethern
 paid to be the receptucle of all the ice that is driven eastward from the westem sea, of which it is supposed to bar the outermost burviar jshand ; ut least Nir Johm Framlilin. from the view he had on the southern coast, thims it tote so.
('aptain Pary is not a man to met hastily or indiserently, and it wouli upper that the preference given to tho

Westorn coast was inthemed, parly at lonst, by an m-
 cal kinwhederent a stat or indet which he had rasom to believe wonld romduct him into the Polar said thrometh
 ie conld best be mando: fin loe says: "It was the genemal forling at this perien ( $\because$ ith of duly) amoner us, that the voyage had hat now eommenced. 'The labers of a bell smmer, atd the tedimm of a long wintere were forgottoll in a moment, when we fomm omesples upen gromad mot hithero erphored, and with every apparent, prospect before ns of making as ripuid a progress as the nat me ol this mavigation will promit towarl the final accomplishment of our object." 'The trembing of the westforn shore to the west wad might also have contributed to the choide of that side : the only surprise is, that atter the cases he has given, all of them alverse to it, ho shmuld have resolved to adopt it.

The ships comtimed to proceed somtherly close in with the westaro shome, having atarmately open water and thating ien, to which they had cecasionally to make fast. Got the Esth the ice was obsared to be in mapid motion toward the shore. The Herla was immediately besed, in spite of every exertion ; and after breaking two of the largest ice-nnchors in ableavoring to henve in to tho shore, was obliged to drilt with the ice. (On the 2 ?at: the ships were so close in with the shore, that, after shitions the llecha into "aless insocure berth," Barry sity "ho walked to a broad valley facing the sea near us." The clifts mext the sca, fome or tive hombed foet in perpembienlar height, were contimadly braking down; and "the shijes lay so close to the shore as to be almost within the range of some of these tumbling masses, there being at high water scarcely beach enough for a person to walk along the shore."

On the : Both of July the Hecla's borth was shifted to a greater distance from the shore, hy which Pary says "the secmity of the ship was mach altered for tho worse:" the Fiury romamed where she was, "thero boing no sacomd berth aven so wod as the had one wheres she was now lyinge" On the 31 st it blew a hard gale, which bronght the ice closer and closer, till it pressed
with very considerable viokence on both ships, "though the mest unen the Fury, whirh hy in a very exposed sthation." 'The Haceratad only two or there hawsers brahern. Lisuly the next morning (the 31 st) Commandar lloppuer sent to inform ('aptain lary that the F'ury bat heren fored on the grommd. where she still lay, but that she would probably he hove of withont mueh diffirolty at high watere provided the extemal ies did not prewoll it.

A broal chamel of water appearing at a little distance, and a fresh broere springing up, the ships were cast, amd therid heads the right way, to reach this chamel, when the ice came bodily in upen the ships, which were almost instantly beset, and in sueh a mamer 'as to be lit"rally helpless mud momageable." Captain P'arry obsurves that, in such cases, "the expritus made by heaving at hawsers, or othorvise, are of little more scruice than in the oecupation they fimmish to the men's minds muler circmastances of difficulty ; for when the ice is failly acting against the ship, ten times the strength and ingennity could in reality avail nothing."

The borly of ice setting to the southward, the two ships - ere carried with it to some short distance, when the Hecla, after thas dhiving about a mile, guite close to the shore, struck the ground forcibly several times, and being breaght up by it, remaned immovable. The Fury, contimuing to drive, "was now irresistibly carried past ns, and we escaped, only by a feen feet, the damage invariably oceasioned by ships coming in contact under such circumstances." She drowe about three hundred yards, the ice pressing her on as well as along the shore, when she roceived a severe shock firm a large floepiece, foreing her direetly ngainst a grounded mass of ire upon the beach. The Hecla and Fury contimed both aground, the latter, by Hoppmer's report, so severeIy " nipped" and stramed is to leak a good deal, and that she was heavily pressed both upon the ground mad against the huge mass of ice. Both ships, however, got off at high water: but on the night of the second of Angust the ice once more forced the Fary on shore, and the Liecla marowly escaped.
"I rowed on board the Fury," says Parry, "and


 forty homs." 'The two commanders ser cims in at bat to
 where the Fowr, malla to prowed ans lanther withot
 must be. It about a mile fanther down they limme is
 lome bathons water within them, and which, with the as-
 rotmonge the iore hat dosed in, so as mot only to prowert the in meving hat that the smallest extemal pressme manst inevitably lonere them ashore. beithor ship havine mene than two led of watar to sare. They were, howerer. some relieved, and both ships anabled to prowed to tha plate of the three bergs. where the formation of a hasen
 all the frurys stores. provisions, aim other artieles wore lambed, amd she was hove down oll the $1-1$ h. A gate of
 sary for both shipe fo be towedtom into the se a, or, rathar. the iere. 'The fiory was relonded, hat on the : 1 th this matiotmate ship was asain hriven on shere.

As cerer firther ittempt to pat her into a slate of mpair was now homeless. lams, atier visithe her for


 productive of extreme risk to our remaining ship." is sumber, therefore was held upon her: and ('ombatmere Hoppure, with the other oflieers, were of opinion "that
 " my own opinion," sitys Parr. " heing thas contimed as to the uter hoperessmess of sumer her, and forlime more stromgly that ever the responsibility which mtached to 1 of of persoving the Heclat mburt, it wats whth extreme pain and reered that I made the sigmal lion the lourse whiters and mento be sem lior their chathes, most of which had herol put on shome with the stores."
'The ineresamt hame, the romstant state of atsioty, and the frefgent and inminent danger intu which the
surviving ship was thrown, in the mthempts th save here
 datys, destomed wory reasotahla expertation hitherto
 - | was threreme," sass l'ary, "rolnerd to the mily remaining conclusion that it was my duts, motre all tha
 phanee with the phain trome of my matrurtioms. As
 anchor stowed, the ship's heal wats gent to the morth-
 an whing helome the we shomld amian sed in-shome."

A breare springins 10 on the :ith from the werthward, immodiate adrantage was behen of it to streteht wore the rastern shome of l'rimer Rements lalde
 and the Theda rutured Nailis liarber (at lithe to the smblavard of Porl Bowed in order to propare lar (mmphotely forosing the Atrmice. Hare ome man, John Pages, semman of the Fimes, dopmed this lifi having beron for sereral monthe alioned with a serofuhons disoder, the omly a ase which prowed lital in cither ship.
 Wrighed, and stoxd ont to sea on the list day of Sugust.

 bed to bear away to the gastwad. In crossing Lathraster Somad they ohserved a mome than nsmal gnatity af iorbergs, being in proporion of at hast fome to one that they hat exer before observed there. Ther enHow Batin's bay, still in an unen sata. On the fih of
 having, in the comso wh righty miles, muly mate a singhe tack, when they came to the margin of the ires, ame got into all opell scat on its matern side. At this time thase were thity-mine berss in sight, " mad some ot them eevainly not hess than :On fied in heitha." On

 hated at Petorthead on the 1 Phatand arrivel at the: Almirally on the 16 the the leche at Nheremes on the
 ? 2 st of Nowember.


 as 10 ally intormation memeding the gassiger, hat as la
 history. (Of all the Aretice eometrios visitod by hime the
 nall barron, the most dreary mad dresolato. that hano
 morely desolate of hmman briogs, hat almost deprived,

 "rour visited 11 const on whirh su litho, af ammal lifis ourous. Fior days turather omly one or two sats, a singhe sem-horse, and now and then a lock af duchs, wern seron." An "xerption, however, wermere in the mon-
 white whales sporting about the pate where the Fury was abationed.
'The tmasiont view which was taken ot' Prince largents shomes on the tims voyage was favomble bough to impress on the mind of Parry, on the fature of his seromd voyage, that to get farly into the Pular Sim, "there is no lomem operaing which serms to presernt itself so fitworahly for this purpose an P'rince Rasents Jalete" And ho reperats, in the vayare now under sonsideration, "to that perint, therefore, l call, in the present sato of ome lowowledge, have no hesitation in still reommmending that my fature attempt should br direeted." His advier was followed, and a second ship was loft hehind. A thiod, it is to be hepred, will newe again attompt this vile inlet. evon although it has at?:-0 hero aseertained, from another grartor, that the wators do eommonicate with the western portion of the ''olar Sat : such commmication, howerer, gives no racomrngemont for ships of any size to make the trial of a pasage into the Polar seat hy this route; but more of this herpatior.

An imditionent person, who has but carelosse ghmend over the three expeditions, or another who has studiad






 matation. 'Tha inditiomal ancomagennent which l'arty
 a havigable sera men the somthwestern extremity of Primer Ragronts Inlot, if it had imy existrone berond
 the mothen a const of Ameriea combld be apporehed ly that renter but mithar Pary at this time, nom imderid any ome being at all aware of what the Amorean emat romsisted of, with its seat remmbered with iee and istambs, and movable only by bats of camos, could have brom of a very diflerent opmion. Franhlin and Richardson, Dease and Simpsom, havo mosy fally acpmanted us with the mature of that const. It is true it is a comtimums coast from lar bottom of liesents bulat, and theretore falls in with the sottled opmion of Captain Parry, who says "he is more than ever improssell with the belief that the only way in which a shipe em, with tolmble cortanty, sucered in penetrating any considerable distance, is by watchang the openings ocensionally pantucen by winds and tides betweon a body of ico When detached and movable, and some land comtinuous ia the sume direction."

This passage was written on the second voynge, and remains, he says, wholly maltered in the present, which is the more remarkahle, ator the constant and inminent danger to the two ships, and the total loss of one of them, while struggling to make way along comtinuons lam, hetweon which and masses of ice, always in motimn, they were to make their progress. It is difficult to imagino how a ship at anchor, or loose, placed near the shom on which large masses of ice aro thrown, capricionsly it may be sald, for it is nevor known to what point they may be directed, cim pussibly escape destroetion, espercially among staits and harow passages between istands. Suppose a person of ordinary in tellect

Ghomblow tohl, as ('aphain l'ary will will him, that durine the lime his shipe were mate fins ont the damerone chast which has heren ophorn of. " lha ice wiss sellome


 anxilialy when gome in the risht direction! Cinnam Diary has rephed to stle ha ghestions.
 plawe amome the iow, and heft to drift with it, in comparatio.






 G:





 ral skill, and so well expricomed in the mavisation of saxs hampered with ire. wherse exertions have beren we

 for of fart, what is well meant, howror it mate ditior
 rise from the permsal of his " Northern \'uyges" withont heing impuressel with a dredided eonsiction that his
 highese arder: that his mants are mot rombund to his proliessiomal dutirs. hat that the resemmeres of his mind Here remal to the must ardmoms sitmations. and formile in



 rys hean still contimus to remg to the areomplishmment
 in praction such me:sures as, in his minion and experi.

It darin二
 －Mlllal atr．fill 1 Mrハウ！ shl h in （＇пини！
 リトに＂ったい。。 hir－barent －II furil． fin ：the aldy ｜｜imain ；al｜ whll hat． iis dian右
 ination of －位い！ at di＝1ill！
is latils． $: 111411 \mathrm{i}$ alion of brooll plesur： II a llatl－ 15－ditios 10n！ $1: 1$ ＂．will－ that his $1 \cdot 01^{\circ}$ Hod I 10 his his mind limila in dithicult， inly voll－ riticisin， d．I＇ar－ livhm＂ит rould put． 1 expert
 －11！～：

 har ：











 mahr a single wialtr in the ire sulferiont fire its neromb－
 hiln！of limal surocos ；lor wo buw how that a wintor in
 amb rombint．＂This is very trum，at lomst in his own




 rims：the liberal－minded womblat consider the increased יypane thrown awiy when the home of the nation，the

 are the olyorets comemplaterl．

While on this poim，it is too remmbuhte a circmastance


 hown to lis lons．Pary takesoreasion tobestow a wall－ heservel testimomy to ihe valuable，perservering，and ex－ thamdinary babrs of these mom．

 morits，if I permitied the present＂promtinity to pans withemt

## ARCTIC VOYAGES.

offering a still more explicit and docided testimony to the valne of their lahors. The aceomito of Hudam, Batim, imu brvis (and tirst of all, Frohiohere) are the prexhetions of men of w commen stamp. 'They evidently relate things.just as they Filw hem, dwellate on sich matical and hydregraphinal minticres as, even at this dis, are valuable to any semman going ower the stme gromm, ind describing every appaname of mature, whether on the lamb, the sea, or the iece, with a dogree of hathfuhese which ran alome, perhaps, be duly appeciated by these who succeed them in the same regions and moder smilar circmastances. The senemal ontine of the bands they disovered was had down ly themselves with such extmondinary precision, even in lometimde, as sancely to reguire correction in molern thmes; of which fact the whent maps unv extant of Batlin's Bay amd the Stants of Hodsm and Dasis, construetell fiom the ondinal materials, will athord sullicien prowf. The same ateraracy is observable in their accomats of the tides, somalings, and bearinge, phenomemat in which the lapse of 200 years can have wrenght bat lithe change. It is, indeed, inupessible for any one persomally arfrainted with the phenomena of the icy seas to pernse the fhan amd mpretending maratives of these maviators without recognizing in ahost every event they relate some circumstane fimiliar to hisown recollection mide experience, and meeting with mambereses remarks which bear most unequivorally abent them the inmpese of trall.
"While thas doing justice to the fathfulness and acenary with which they remoded their discoveries, one can bot less andmire the intropidty, preseverane, aml skill with which. inadequately furnished an they were, those discoveries were effected, and every diflienty and danger braved. That iny mam, in a simgte fiatil vessol of tive-and-twenty tons, ill fomet in most respects, imd whally mprovided for wintering, hanins to comend with a thomismul real difliculties, as well as with mambertess imaginary ones, which the sumerstitions then existing among sailon would not fail to ewajure urthat any mam, mader such ciremmstances, shouht, two humdred yens ago, have persevered in accomplishing what one wh navigators did accomplish, is, I confess, sutheient to ore atte in my mind a leetines of the highest pride on the one hame, and ahmat approaching to hamiliation on the other; of pride in rementrering that it was one combtrym who perfanmed these explaits ; of hmmiliation, when i consider how lithe, wiha all our advamtages, we have succeeded in going bryoud them.
$\therefore$ Inderd, the tonger our experience has berm in the mavisation of the in vear, and the more intimate our argnaint-

Iy to the vill. iin, aull $\mathrm{D}_{\mathrm{t}}$ Is of men if just asthey raphial int. :Iman senime xallame of with it leduly apros cegions : ma! line of the with anch meely to rethe ohdert of Hadson , will alima be in thair momena in thot litulo: remally :upermec the: :ators withsome cirrience. : ind st unerquiv-

## ud acenary

 :all 100 lown ith which. ories wore That imy (s, ill fimuil urime, hanas well as perstitions ajure u!ー two himb5 what one cont to creIn the ono other; of 1 who pros sider how a in goingthe mavi-a"गllaint-
anme with all its dillioulties and all its precarimeness, the


 they aracely core nse the lamsuage of complame, much less that of despair; and some times, when all haman hope sorems at its lowent elh, they furnish the most hamiful examples
 dence which is the only rational smare of true iortitude in man. Often, with the ir namatives inumes.sed ujn my mind, and surmmond by the very dilliculties which they in the in fiail and incelicient barks madamtedly comemtered and owrcame, have I beren tompted to exclaim, with all the anthusiasin of Purchas, • How shall I admire your horoicke commate, y, marine worthies, beyond names of worthiness!'"-P'. 1:31, $102,183$.

This is the thind and last attempt of Captain Parry to discover a northwest passage from the Athatie to the Pacific, but it is by mo means his hat attempt at Polar diseovery; it has, in fact. been followed up with an enterprise not more novel than perilons-an attempt to approach the North Pole, in which he will again apperar, in the present narrative, in that bold and lianless character, which, if it fail of complete suceess, will at least most mquestionably have deserved it.

It may not be mimiss, in closing the marative of this woyare, to insert a few desultory remaths ehiolly frome the Appendix. During the winter months in which the Ships were shat up in Bowen's Habor, the respectivo wficers employed themselves in collecting and arranging the observations that were made in the course of the voyage, * down to the period of their release, a wory brief extract from which must here serve. It is almost mmecessary to say that all astromomical olsarrations comnected with mavigation wre strictly attended to by the commander of the expedition and his colleasue I loppher, by Lievtenants Foster, Sherer, Ross, and by Mr. Hooper, as observations for detemnining the longitude:

By occultations of fixed stars.
By fixed stars and the Moon-Foster.

[^12]By transit of the Moon-Fioster.
By Jupiter"s sint lliter-Fositer.

Fiariation-Pamy and varions: olfierers.
'The Board of Lomgitule having suggested that omo of the objects of the present voyage shonld be the dotermination of the ligne of the emrth, be means of the vibration of a pendulam, the apparatus of Captain Henry Kinters emstruction was supplied to the expedition, aind phaced in charge of Lientrmant Memy Festar. As it was neeressary that the number of vibations of that sume pemdulum should be known at different pleces, $\mathrm{H}_{\mathrm{s}}$. Pomb, the Astrommer Royal, allowed the trial to be male it (ireonwich. 'The results of the experiments, as stated by Lidutemunt Fostar, give brietly-

Nimber or viluations all (irernwich . . 86,159,431
Ditto at Por Bowen - . $86, \therefore 330, \underset{\sim}{2} 4$
Longth of seconds' pendulum in the latitude ol (ireenwich . . . . 39•13911 inches. Ditto $\quad$ ut lort Bowen $39 \cdots 0: 468$ do.
Whence, Mr. Foster says, the fraction expressing the dimindion of gravity from the pole to the equator is $005415 \%$, and

The ellipiticity of the carth, $\frac{1}{301.16}$.
That of the French geonetricians, $\frac{1}{300.75}$.
Sibine from the north, $\frac{1}{2391}$.
Sabine, Molville [slaml, $\frac{1}{3190}$
From Lientenant Sames Clarke Ross the Appendix contains a brief acenumt of the quadrupeds, hirds, tishes, and insects, mid invertebrate ammals. There is also an areonnt by Sir Willian Hooker of the plants found in the comrse of this wyage. These may be briefly stated as moler, embracing both east and west coast of this portion of $A$ merica.

Qundrupeds.-The Polar Bear-Aretic Fox-Temming -Polir Hare-Reindeer-Rongh Seal-Black Whale-Niarwhal.

Birds-lcelamd Fuldon-Snowy Ow-Raven-Lapland Fincll-Smow-Bunting-P'tmagai-Rock (ironse-Willow P'artridgr-(iohden Plover-Phalarope, : species-Gulls, of
speries－Wider Ducks，and varions others－Little Auk，and 2 ，thirs．

Pishos－Ophidium， 2 species－Cotus， 2 pecios－Pleuro－ nevtrs，mot very mumrous．
Insirts：－12 speries， 4 of them Spidere， 1 Bere， 1 Aut， 1 ©inat， 1 Buttertly；the other fion are Simalima，Ctenophom， Bumbus，and Bombyx．
The Invertebrate animits，which are momerons，and mot of very familiarized names in Latin，may be passed小川品。

The Botamy of the last wo voyages，hy Sir Willian Hooker，embraces 21 families of the natural ordor，but， as le observes，＂a small momber of species，owing to the fiw opportunities that were affioded for the offierers to go on shore，as well as to the extreme ieverty of the suil in those places that wore visited．＂
（Of the notes on the wrology of tha comatries visited， in the second and the present voyage，by Professor Jameson，who also giors a fow conchating remarks on the geology of the four Arctic Expeditions，a brief ab－ stact is as follows：

1．That the regions explored abomed in primitive， transition，and secondary rochs；partial alluwial deposits； madern voleanic rocks not met with：few traces of ter－ tiary strata．
$\therefore$ That primitive and transition islands at one time probably comested，and formed a mass with the conti－ nent of America，in the platins and hollows of which were deposited the secondary limestones，sandstomes．gypum， and coal：on these，again，the tertiary rocks．
：3．4．5．Purely sperenlative．
6．＇The bowlders or rolled bhocks athord evidence of the passage of water acros the places where foumd．

7．No traces of tha asency of morlem volcmoes any where except in Jam Mayen＇s lshand．
$\therefore$ No intimations of odder volcanic action，except in the presence of secomdary trip rochs，such as bisalt， Ereenstome，trap tulil，and amyerelaioin．

9．＇That bark hitmainons coal（t＇or oldest lommation） fomm in Mrbole Is＇and and in Oid（irernland，forms an interesting fiature in the geognostical constitution of Are－ tie commtries．
10. That the red sathdstone of Possession Buy, \&e. renders it probable that rock salt may occur m that quarter.
11. 'That the regions explored by C'aptain Purry hane afforded varions interesting and highly useful ores, such as octahedral, or magetic iton ore; rhombeidal, or red iron ore: prismatic, or brewn iron ore ; and ehromate ol iron ; also the common ore of copper, or copper $1 \underset{-}{ }$ fites, ani sulphuret of molybdiena; ore of titanimm, and that valuable mineral, graphite, or black-lead.
12. That gems are not wanting in the Aretic regions is proved by the abmadance of the preciens garnet, which. on more particular examination of the primitive rochs. will no doubt be fonme to present all the beantion colns and elegant forms for which that stone is so much intmired. Rock erystal, beryl, and zircon have also berm net with.
13. That these countries exhibit the same general grognostical arrangements as occur in other countries examined by the naturalist; "a fact," says the proferssor. "which strengtherns that opinion, which maintains that the great features of nature in the mineral kingdom are poery where similar, and consequently that the same general agencies must have prevailed generally during the formation of the solid mass of the ath."
14. And Profossor Jameson conchales his remarts in the 1 th paragraph with a general observation, so beantilully expressed in language, and se true in substanere, that it would be well worth the attention of the moderm physiologist, with his neve creations springing out of fir ry mists, to leave lis unsubstantial visions, and imitate the: prolessoi's creed,
"That the apparent irreqularities which at first sight present themselves to our attention in the grame armare ments in the minemal kingelom are the oftipring of one own fohbe powers of observation, and disipperar when the phenomenat are examined in all their rebations. It is then. indeed, that the mind ohtains those enduring and sublime views of the power of the Deity. which, in reologer, reward the patient obscerer, raise one of the most beantiful and interesting departments of matural science to its true rank, and prove that its rolations conneet, as it wero, in the scale of magnitude, the phenomena of the earth with those more en-

Ber, Ac., thait ! quir-

Pirry have. ores, such idal, or rewd chroman" copper pyanimn, and
tic regions net, which. itiwe rochs. tititul colors much infa also bern
gencral gruntries ixprofessur. intains that inglom ite the simue ally during
remarks in n, so buallsubstimere, he modern out of $j$ ic ciy mitate the:
first sight mid arraug of onr own en the pheris them. iut nd sullhine wey, rewart tiful :und inte rank, atul the srate of se more ca-
twine arrangements. presponted to one intellifune in the, planetiry sytem: and in the grand framework of the miveres itw li."-1pp., p. 151.

Captain Parry, in observing on the extreme facility with which sonds are heard at comsiderable distancers in aperely cold weather, relates a circomstime that necolrred at Port Bowen in conlimation of the fact. "Lientriant Foster having orcasion to send a man from the whervatory to the opposite shome of the hartwer, a masas-
 in order to fix a meridian mark, had phaced a second person half way betwern, to repreat his directions; lut he fomul, on trial, that this precamtion was umercesimy, as he could withont difticulty keep up, a comsersation with the man at the distant station. Thu thermemeter at the time was $1 e^{3}$; the barometer, $30 \cdot 14$ inches; weather calm, clear, and serone."
The Aurom is stated to have appared forty-seven nights from October to Mareh, filtwen times in dimary, five in March, and two in October. Nothing particular is sad of its appearance. and no one ever heard my somed produced. Thos Amrona had no efliect on the vairiation meedles, which were suspended (not supported) in the most delicate manmer.
The atmosphere during the wiuter months is stated to have been favorable to the excitement of electricuty; hut none could be made apparent, thongh Pary says the clectrometer with gold leaf was applied to the chain, which was attached to the mast home by glass rods, the upper link, above the mast head, being ilis feat abowe the level of the sea; but it was without the slightest proceptible effect.

A word on the difference of temperature, and of the different quantities of ice on the cast and wost shores of continents, ishads, or straits: a well-known fact. but which does not appear to have been satisfinctorily ex-plained-why the western coasts of continemts and isianls, of straits and inlets, should be lese subject to the lampered with ice than the enstern ones? The fact is decidedly so, as many instances, in meddition to those mentioned by Captain Parry, might be given. If the easterly winds were the most prevalent and powerful,
the floes and masses ol' ice would no doubt be driven bex
 that within the Aretie ('irele the northerly and westerly winds mestly prevail. 'The same thing obtains with ri'gad to temperatmere, whether on the coasts of continemts or islands, of ofen in the brom streets of towns, lye in a noth and somth dierection. 'Thess, on the western comet of
 of 8.5 and (60, the little certhias and the hommine-hinds are said to the dhiping and singing, when from Nin-
 suow cover the water and the gromed. At homer. the difiorence ol tomperatme between the western coast ur iskands of Leotland and the eastern const is so great, that. the tate Laty Bute foumd the lsle of Bute more congenial with her constitntion than even lingland. 'The comet of Je homshire is of a murh miller temperature than the coast of Nortoll. On the same panciple, the rast sidn. of Regrat-stredt, fanger the wost, will ulways be fomed more dry and fire firm moistme than the opposite side. faring the aist: and so will the emst side of Regent's Park be more dry, and the houses more fire from moisture, than on the western side.

From what amse does this proceed! Nay it not he explained hy the tact that, at or a litule belore smmine. the temperature of the atmosphere is much lower tham at or a little atter smand, and that, from the former pariod to the meridian, the intherne of the sm is comsidmably less than fiom the meridim to the latter ; in other words, that the power of the sm during the first hatf of the day, when his mys pase over the castem hand is much less than when he is proming his beams on the western land for the secomd hatf of the day? If it be conceded that the setting sum shedeling its rays on a western coast creatrs a more wam or mide temperature than is loft by the more whigur rays at the same time shed on the rastem lam. perhaps it may assist to solve the problem: but the dillieremer is not so great as to explain the cmase of the fermamently-fixed ier, for instmene, on tho cast coast of (ireanland, or of Somthmetom Istand. and many other coasts rumbing north and sonth.
"Ihese facts, when taken together," Pary says,

- have long aro impressed me with :un idea that there, munt exist in the Podar wemion some wempal metion of her sea towand the west. cansing the ice to sey in that direction when not impellod by comary winds, of herat

 and he gives instineres of ships being set to the westward in opposition to a strong wind bowing from that ghater ; and. having stated the fiett, he comelumes ly suggesting, fin the consideration of others, whether sueh at tomden" 9 of the sea as that moticed may not have some connertion with the motion of the carth on its asis. Surh an idea, it is apprehended, is nom temalhe, as it is generally understood that the motion of the earth carries with it both the sea and the atmospherte.


## CHAPTER IX.

## PARRY'S POLAR VOYAGE.

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18: 27 .
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Nurrative of an Atlompt to reach the North Poie inthe Year 18:7. 以У Captain W. V. P.anay.
Wafs it is comsidered that Captain Parry, since the Gear $1 \times 1$, has made fomer vogese into the Sretic Seas, and has passed fom winters in the ice, and that we now find him again coming forward in the year 1 reat (having bot just retmened from his last voyage), and propesime to Lord Melville a plan of an attenpt to reach the North Pole by means of traveling with slonge-bomts ower the ires or throngh any spaces of water that might occur, this daring attempt brings back to our recollection tho "xtreme sufferings of Framkin and Rieharlson on their first jomrney to the shores of the Polar sea, which dial not deter them from inmediately setting ont a second time-when it is farther considered that Frandin is now on a voyage in search of a northwest passage, and

[^13] $R:$
und to these the inderitigable labors of Sir James ('latho
 in the ier, having meronly retmod from a there yems
 al cases are prominently bronght befane ns, the anly romelusion to be arrived at is this, that the desire for distinetion, and the eonfident hope of meriting it by some mex discowry, owrpown every approhension of damer or difficulty, being sutistied that they possess resommer, within themsolves, and a sufficient stock of moral connage to strugrle acrinst and to compuer both difticulty and danger. There is also something inviting to a seaman's mind in exploring new combrins, which is not the las relished by the aceess to them being beset with obstacles which to overeome must sometimes requite extreme sutioning, and even the sacritice of life.

The enterprise about to be described had plenty of nowelty, difficulty, and danger to reeommend it ; but Pamy was not a man to rosh headlong into a novel and profons scheme withont making inguiry into its matme. On consulting Phipps's voyage of 173:3, he finds ('upmin Latwilge describing the ice for ten or twelve tragn's as "ome contimued plain of smooth, mbroken ice, bomme ed omly by the horizon." Mr. Scoreshy"s arcount was stromerer still. "I once saw," he says, $\because$ a field that wis so tree from either lissure or hommoc, that 1 inmaine, had it beron fire from snow, "t coach might have beron driwn many leagnes over it in a direct line, withont ohstmetion or danger." (irat encomagement these roports cortainly aftorded for the progress of a stedereborne boat. Captain Pary, however, adds a larther stimmbus-that his hopes of success were principally founded on the proposition that had been made by his friend and brother-officer, Captain Framklin, who had himself volmatered to conduct it.

T'wo boats were suecially constructed for this purpose, twenty feet long and seven broad, ilat-floored, ind built as stout as wood and iron could make them, and so fitted as to contain nantical and other instrumemts, bags of bisenit, pemmican, spare clothing, and a variely of smaller stores, chietly provisions. "A bamboo mast nincteen feet long, a tarred duck sail, answering also tho
promese of an awning, a spreat, ome buat-hook, formern partlles, and a stereroar, completed carh boat's complement." 'Two officers and twelve men (ten of them sent burb und two marines) were selfected fior bach hoat's arw. Each boat, with all her furniture, took, instronmonts, clothing, and provisimes of every hind, weighed :ana pounds, being elfe pounds in weight fior each man, exthsive of four sledges, weighing $2 f$ pomeds each.
" My own impartial comviction," salys Pary, "ut tho time of setting out on this conterpmise, comaded (with a sumg exception) with the opinion expressed by the Commissioners of Lamgitude in their mememial to the hing, that "the progress of discosery hud not arrived nom thward, according to any well-anthentiented aceomes, or tar as $51^{\circ}$ of north latitude." "The exception he allutes to is in favor of Mr. Scorreshy, who stuters his haviug, in the year 1 ung, reached the latitude of $\boldsymbol{r}^{\circ} 1: 3^{\prime}$ 4." by actuat ohservation, and $81^{\circ}$ :30 by dead reckonins. "I theretione consider," says P'ary, "the batter parallel as, in all probability, the highest which had ever hasen attained prior to the attempt recorded in the foltowing pages."

When all was realy, C'aptain Parry was appointed to the command of H.M. sloop Herla, with instructions to proced in her to Spitzbergen, to place her in some salfe harbur or come, and. heaving her in charge of Lientemant Fister, to proceed with the beats directly to tho merthand, using his best endeavers to reach the North Pole: to be caretul to return tos spitabersen before the winter sets ins and early enongh in the antumn to insure the theck not being firwa ma and obliged to winter there. Ho was to direct Lieutemant Fosider to surey the nerthern and castern consts of Spitabergen in his absence. The afficers attached to the Hecha were Lientenames Fonser and Crozier, the former a most distinguishen sciantific navigator, who, als already said, lost his. life on the lsthmus of Pamma: the later now captain of the Terrer, on the axisting voyge of 'Sir John F' uklin, having beron the secome in command to Captain" mes Ross in the S'outh Pole Expedition. Lientenant limes Ross, on the present voyage, commanded the second boat.
On the th of April, $16: 37$, the Hecta weighed inchor
and mmde sail tom the Nore, and on the 19th artiven at Hammerfest, where they were toreceive om batad rinht
 tor their prownder. Here Pary glemad some instruetions for the mamagement of tho deres.
 Lapland winterer. With a simple collan of akin mond his merk, a single tane of the same material allached to the pulk
 like a haller romm his merk, this intellizent and docile animat

 the wein is haman wor on the oft-xide of the amimal, he immediately wets oft at thll toot, ant stops shant the instimut it is thown hatek to the uene side. Shaking the remoner his bate is the omly whip that is repuired."-l'. 6.
'The quantity of recell moss, per day, for wach derer, is stated to be lour pomads, but they ge tive or six days withont provender, and withont sulbering matorially. Suow is to them the hest kind of water, and iee a combfortable bed. It may will be imagined how valuable such minals were likely to loe to the party; mad l'ary observers, that ${ }^{\circ}$ the mone we beeame atecostomed, and, I may say, attached to them, the mono pantal becamos the idea "f the necessity which was likely to exist, wf mitimately having recomse to them as prowisions for ourselves."

 amel gasts fiom the high hand as almost to lay the ship on her beam rads. and whlige then to rednece the ramas to the main-topsail amb stomsaiks, and let her drive to lecewarl. l'ary suggests it might have beroll such it sorm as this that gate the namm of his heallamt, in an ald Dutch chart, the Du!ger's Mork. From this lime till the cmbareation in buats, which did not take platere till alter "a close and tedions - besetneme of twonty-four days," that is, fiom the 1 thth of May till the rth of dme, may the looked an as so murh lost time. lmdeed, altion being released, it reguired a long, maxims, mal todions seareh for a properly secoure harbor in which to leave the Hecla, where she might conveniently be fomed on the
riviol int wid wisht wifi rime instruc-

Ins of tho. rumal his - the pulk 1 bincound |c :unimat tive, :1thl What al, bur inln:tunt it is $r$ his harck
ch deer, six dins att rimili:-eactullvaluable al P'ary mod, mill, 1 breatue (xist of sfor our-

Fakluyts of wind - ship $\quad$ in a couras drive to suld it nid. ill an his: tillue place till nty-finur of "tmene, ed, after tedions: (aive the (III the
return of the bums from the arethward. Such a spot was at length diameremb.
"Ot the reaning of the l-th of Jume, while stumbiner in for the hish land to the rastward of Varteren Itork,
 al with satery, werererived trom the erowes-mes what
 far ship, and which seemed to answor to im indentation

 fombl it: they waped in the Ilowla with the greatest
 fathoms.
'Thar meighborhome of this bays lihe most of the north-
 bisum hy the Duteh at at wry emely prioul, of which cir6 Btane rerords were fumishod athost every shot where the pary lamded, by the mamerous arawes they met with. 'Thirty of these were lomed on a point of lam on the north side of the bay. 'The berlies had bern
 hat merely eovered with latere stomes: a board bear the head records the mance at the deceaned. the ship, have
 Parry is right in supposider the mane of the baty to be fom trarem. tu lament, on accommt we the matality that has wermiond there.

Having mow made lis tinal antangements, mad given puper directions to Lientemants Foster and Crozior, ('aptain P'arry left the ship with his iwo bats, which her maned the Finterprise mal the Fimdeaver. Mr. Beserdey being attached to his own, and liontenant Rass, acemipatiod by Mr. Bird, in the other. As the saisom had so tian advanced, he took only seventy-one days" provisions; amil as it appeared highly improhahle, firm what had beron seen of the very rugged mature of the ice thry womld first have to memmer, that "rither the rembere. the show-shones, or the wheds would prowe of alle service for some time to come. I gave up the illea of takine them. We, however, constracter out of the showshas fom excellont shedges for dragemen a part of omb baggage over the ice, which proved of invaluable servico
to us, while the rest of the things just mentioned would only have bean an racumbrance."

What becone of those interesting lithe crontures, tho right roinderer, which wore spoken ot with $n$ hind of aftectionute regated, while it was hinted that the paintial arecessity might arise of having reeonse to them as provision, is mot stated. It was soon revident, inderd, fiom the "plpentane of the ice. that they conld not he of the slightest use, bat a great ancmabrunce in tho boats: of their ultimate finto no mention is male in the maration.

Licentenunt Crozier nceompanied the bouts as liar us Walden lsband, where a deposit of provisions was ledt, whenere they procereded to Little 'Tahle Ishand to eximeine und resecure the provisions that had beron laf there fire their return. 'The prospect to the borthward was lavorable anough, only a sumall qumatity of loose icre br-
 smonth as a mirror' tha's "we set off without delay, at hall past ten, taking onn final leave of the Spitaberwern shomes, as wo hoped, for at least two months. The walruses here were very mumerons, lying in herds upon the ice, and phaging into the water to follow us as we passed. 'The sombl they niter is something between bellowing and very loud snorting, which, together with their grim, bearded comonomees, and long tusks, make them "pperar, ins inded they are, rather formidable enemies w contend with.
"Sterting dwe north, we made good progress, our latitule, by the sum's meridian altitule at midnight, bering $80^{\circ} 51^{\prime} 13^{\prime \prime}$. At noon the next day, after a mon of two homrs in open water, with a westerly wind, we were stopped by close ice, and obliged to han the boats upon a small floe-piece, the latitude ly observation being el ${ }^{\circ}$ $13^{\prime} 51^{\prime \prime}$.

As this voyage is of so bold and daring a charncter, and in all its cireomstancers so movel and pertienty unique, no description of it, exerpt in the words of the commander of the Enterprise himself, can convey to the reader an adequate idea of the mrangements and the mangement of it. 'The usual mode pursued by this gallant party on their adventurons voyage is thens deseribed:
"Our plan of traveling being nearly the same throughout If of it $t^{\prime}$ paintin
 al, from col' lhe mins: of mative. is lint us wis left, (1) exilliIf there urd wis - incobIn sum lelay, it tybumbun [he walי1"om tho we pass" be llowith their ke: thein enemi's
, our lathit, hoilug n ol two wo were mats peing $\& 1^{\circ}$
cter, and nique, no mmander reader an hugement purty on

Inroughout



 dirime the smmmer semens. 'flae motratates of this phan,

 tho sume dining the time of the sum's greatest mhtitulo, su as th prevent, in some doprese, the panfal indamatation in the

 homes of rest, and had a bether chane of drying our chothes ;

 of this plam was, that the figes were some what more fre prentat and more thick ley might than by day, thongh erem in this ro--pert there was les ditherence than might have beron -
 anine but little variation. This taveling hy night and serer-
 that it was diflienlt to persumbe oursolves of the reality. Diven the whieres and myself, who were all firmished with preket Chemometers, coulal not ahases hear in mind at what part of the Iwenty-fine homs we had inrived ; ind there wre serral of the men whe declared, and theliew truly, that they never knew nigh fiom day during the whole examsim.*

- When we rose in the evening, we commenered one day
 aill phit on thase fies traveling the former being made at rambor, lined with surow skin, and the lather of stomg how bex-tloth. We matere a point of alwers peitine on the simo storkings amd boots for traveliner in, whether ther had dreed during the day or met; and 1 believe it was ondy in five or six instamers, at the most that they were not rither still wet
 the discomfint of tirst puting the on om in this stats, as they
 commencing our jommery while, on the other ham, it wats uf vital importance to keep dry thinge for slemping in. lining

[^14]'riserd' fur traveling, we breaktioted upon wam cocon amd liownit, and alter stoving the things in the batis and on the
 we net oft on our days jommey, and msinaly traveled fiom five to tive and is half homs, then stopped an hour the dine, amd again thaceled four, five, or even six homs, acoording to cirmmstanes. After this we halted fire the nieht, as; we
 ins the largest surfice of ice we happened to bo man for hambing the boatson, in order to avoind the damer of its breaking up lis coming in contact with other masses, amb alsol to present drift as murh as persible. The hoats were phacod close alongside each other, with their sterns to the wind, the sumw or wet cleared ont of theat, mad the sails, sulp nited hy the hamber masts ant threo padilles, phaed ower them as awnings, an entrance being left at the buw. Dory man thon immediately put on dry stockings and fir berts, aftere which We set alount the necessiny repairs of beats, sleders, on clothes; and, ather servine the provisions fore the succerdine day, we went to supper. Nest of the offieers and ment then snoked their pipes, which served to dry the luats and awninse very much, and mandly mised the temperature of our londengs $10^{\circ}$ or 15 . This part of the twonty-fime homes was wheli a time, and the only one of real enjoviment to us; the ment thel their stomes, and - fonght all their battles dier assam,
 were fingotern. A regilar watd was set diming war restingtime, to look out for bears, or fior the ier braking up romed He, as well as to attend to the dryiug of the dothes, each minn altemately talsing this dity fin ome ham. We then mondoded our day with pravers, and having put on om find dres. es, hay down to sleep with a degree of comtont which perhaps: few persons womld imagino possible muder such ciremmstances ; our chief incomenience lwing. that wo were somewhat pinched for rom, and therefore obliged to stow mather Cluser than was gute asmerable. The toraperature while we slapt, was usmally frem 36 to 45 , arcordine to the state. of the cxtemal atmophere; lut on whe or two orcasions. in ralm and warm wather, it rove as high ats $60^{2}$ to fif , whligring us to throw off a pirt of our tiur dress. Ather we haid
 13. when it was realy, by the somed of a hagle, when wo commened one dey in the manmer before described.
$\because$ Our allowance of provisions for each man per day was as follows:

Biscoit . . . . 10 unnces.
Pemmican.
rucua ami Ind in the from wer, led fiom - to diar. ording to it, as; we总, neloct114: fir its breakIId also to re plawed wind, the inted hy them is mam then r. whioh Mors, on necerding men then and :wnre of chir tutis w: a us; fle. rratin, toll were, ar restingי1p romul Ins, rach thon comfiur dreses hich perh circullire somew rather re, while the statt insions. in 66 , ohli-- wo hal ai romisel when we day was

Sweotemed Coron Powder . 1 waner to make one pint. limm . . . . 1 gill. 'foharere : . . 3 ammes per werk. Gur furl comsisted amtirely of spirits of wiar, of which two pint- tormed our daty allowence, the coroa being cooked in an irn builer, wer a shallow irom lamp, with sowen withs. We unally femme one pint of the pinits of wine sulficient fon pepming our heakfist, that is, for hating 28 pints of water. thensh it always commenced from the temperature of 3 3: If the weather wats calmand tair, this qumaty of fard brought it tu the boiling point in about om home and a gharter, but more geberally the wicks bergan to wo but before it had
 tuproms sitmated as we wre. Such, with bery little variation, was our resular routine during the whole of this ex-cursion."-1', 5.j-59.

The party must hare been grievonsly disappointed on fimling the state of the iere wholly the reverse of what it had beron reporsouted before setting out. Instrad of being a fine. smenth levelplain, "over whirh a coach might have been driven many laggors: :" instend of compart floms, it comsisted matiely of small. loose and rogerd masses, whiging them "to make three jommers, wod kometimes four, with the boats amd hagrage, and folmoh semal times acoss namow pools of water." And yot the descriptions given by Ceptain Latwider and Xr. somerse might be quite correct at the time. thongh now totally difirment. thar condition of the ice varving from fan to yoar. One dny, we are told, dming heary rain, they induaced but half it milo in four homs. At imothir time, in thick wrather, the ice was so mmeh in motime as to make it dangerous to cross with lomded boats, the masses being so small. Another day they lamded on a small the, but "it proved so muged that we wore whiged to make three und semetimes four jomrneys with the boats and provisions, and this be a very rivenitoms gonte, so that the road by which we male a mile of nowthing was a full mile mind a half in housth, and own
 times." lashart. firm the esth, the day they started. to
 that they had reached no higher than $81^{\circ} 23^{\prime}$, "so thet
wo hat made only eight miles of nothing since our last observation at moon on the esth."

Captain Pary observes, that as the temperature by night and day was liable to little variation, some inomvenience was experienced with regand to noticing the time. 'lo obviate any mistake which nt or near the Pole might lead them, by taking the wrong twelve homs, to a meridian 1 e0 from the intended one, thes had some chronometers of which the hour-hand mad. only one revolution in the day, the twenty-fone homs being marked romd the dial-plate. (See page $20: 3$ and Notr on this subject.)

The 1st of July bronght them to no better ico; a few small thess ocemred, with pooks of water betwern them, the ice less broken $\quad$, ${ }^{\text {a }}$, and sometimes tolerably lewel: but six to aighteen inches of soft snow lying on the smface mate the traveling very fatigning, and obliged the party to malergo at trast two, and sometimes three, journeys with their loarls. On the boats landing on a flowpiece, l'ary and Ross genemally wallied on ahead to select the easiest road for the boats to follow ; the sledges came atier them, by which the snow was tredden down, and made easier for the boats. What follows is too interesting to be omitted.
"Sts som ats we arrived at the other emb of the floe, or came to amy diflicult place, we momed one of the higtest hommoses of ice near at hand (mamy of which were fiom fifteren to twenty-tive feet alowe the seat), in orker to cobtain a better view aromil us; and mothing comld well exceed the dreathers which such a view prosemed. The eye wearied itself in vain to find an ohjee but ied and sky to rest menn; and eren the latter was often hidiken from our view by the dense and dismal bigs whieh so genemally prevailed. For want of arioty, the most tritling circmantance engaged a more than ordinary share of our attention; "passing gull, a mass of ice of mustal firm, berame objects which our sitmation and ciremmstares manatied intoridicolose importanere; and we have since ofton miled to remomber the easer interent with which we regarded many insignifent ocenrences. It maly well tw imamed, then, low ehereng it was to tura from this seeme of manimate dosolation to one two little baits in the distance. on are the moving tigures of our men winding with thoir sledges anomg the hommoes, and to hear mete more the somid of lhman voices breaking the stillaess of this
rature by me ineonticing ther near the ar twollo fine, ther and mando our homin e $20: 3$ and
ce; a few ren them, by laver in the smhliged the ree, jouron a therahead to How: the wats trullat follows
he floc, or he highest were fion to ohnain : xeed the ;o weariend rest upon; iew by the iled. For yed at more ill, a mass or situation tence; : ind rer intrrest rouces. It as 10 turn little, Prats: n wintling hear onco ness of this
iry widdrmess. In some cases Lientenant Ross and myself mak sepmate romes to thy the gromal, which kept us almost contimally flommering among deep show and water. The Wenters hiving been brousht ua as far as we had explomed, we all went back for the bats; ;ach boat's crew, when the mand was tolerable, dratging their own, and the oflicers lat buring equally hard with the men. It was thas we procecoled fin aine miles out of every ten that we traveled wer ice, for it was very rarely indeed that we met with a suthere suthriently level and hard to drag all om lomds at one jommes, amb in a reat many instances during the first forthight we hand to make three jomenes with tho bats and hargage;


When they had the good fortume to reach a small floce, the suow on its smrface was so drep, and the pools of water so frequent, that after a laborioms day's work the distanee traversed was perhaps two miles, and rarely exceeded five. The soow, moreovr, was so soft as to take them up to the knee at umost every other step, and frequently still derper, so that they were sometimes five minntes together in moving a single empty boat with all their united strength. The rain produced a greater effect on the snow than the sm. Parry says that Ross and himself, in their pioneering duty, wore so frequently beset, that sometimes, atter trying in vain to extricate their legs, they were obliged to sit down to rest themselves; and the men, in dragging the sledges, were often under the necessity of crawling on all fours to make any progress it all. In one place they were more than two homs in procereding one handrod and fifty yards. Yet the men worked with cheerlinuess and grood will, hoping to reach the spot (though they had long passed it) where Captain Lutwidge found " one contimed plain of smooth, unbroken ice, bounded only by the horizon."

One day of groat fatigne, after stopping to empty their boots and wring their stuckings, is thas spokin of :
"We halted for the night at half an home before midnight, the people being ahnost exhansted with is hatorions dity's work, and our distanor mate erod to the northwatd not ixreeding two miles amb a giater. Wo allowed omselves this nisht a hot supper, consisting of a pint of sonp per man, manle, of an ounce of pemmican each, and cight or ten birds which
we hat killed in the course of the lase werk: and this was a laxiry which persome thas situated eond perthips alome duly: apperemate. Wre had seren in the combe of the day a fex roteres, a dowatio, a loom, a mollemuck, and two io there very small seals."-l'. 70.
() the loth of July they had reached the latitude of
 absulate laximry to as." 'The pouls and streanss on the Hows inceronsed, and camsed the men to make a rery cirratons ronte. "If any thing conld have eompensated lior the delay these oerasioned ns, it would have been the bramtilai hae eolor perenliar to these super-ghacial lahes. which is errably one of the most phasing tims in mature." 'The mext day haey were in latitude $\times \cdot{ }^{\circ} 11^{\prime} 10^{\prime \prime}$ : 160 buthom with 400 tathoms of line ; temperature at water brought up, $31^{\circ}$; of surface water, $3 \times 0^{\circ}$; of the icי. $: 3: 3$; of the air, $36^{2}$. " On this day we saw, " say Parry, $\cdot$ during hais last jommey, a mollemuck, ambia a socoond lioss sull ; and a comple of small flics (10 us an "vent of ridiculons importane: were lome' pon the ies," Int whether living or doad is net recordect.

No imporemom on the 1 fth, atter five homss moexasing labor' the progress was a mile and a half due morth, thomgh from there to fom mikes had bern teararod, mad ten at leasis walled. hating made there jomrneys a great part of the way, lanched and hamed up the boals fonm times, and draged them wer twenty-five soparate pieces of ice; no inprowement in the traveling. "A fare more than reven homes of actunl labor on the 1-th, requiring lior the most part our whole strength to bo eserted, we had traveled wer a spare not exceedine fom miles, of which muly two were made good." But. this smail-like progress was not the worst that bofell them; it was very small, hut still it wes progress. Now, howerr, the outh of dily, Pary says,
"W0 hatter at 7 A.An., haviner ly our reckoning accomplisherd six milos :mad a hatt in a N.N.W. directiom, the dibince tranded bering then milas amd a half. It mav therefone Ine innasind how great was our mortitiation in timdine that
 being less than fire milos to the worthward of ond phate at now on the 17 th, sine which time we had certainly traveled taelec in that direction,"-1'.94.
this was a alome dily day a firiw o or there atiturle of hearl. "inn Ins: ont the a very rirusated lor bern the aid lithos. nts: in ma${ }^{\circ} 17^{\prime} 10^{\prime \prime}$ : raturn of ${ }^{\circ}$; of the aw, " siy: ck, and a (to nis all upon the !. 1ontrs' mill halit due xיll t:anHe jomrmulded 川 enty-five traw ling. wir on the trougth to excoeding cl." But hat betell s. Now,
ng aceomin. the divwherefore medine that $3 i^{4} 58^{\prime \prime}$ Ir phace at y traveled

Under these diseomraging ciremmstances, it was dermed prudent to avoid making the fiact hamen to the men; at the samo time, a very sorioms calumity was narrowly aceped: the thee on which they were broke mader the weimht of the boats and sledges, and the latter were analy lost through the iee: somm ol the men, ton, went through, but were providentially samed. On the ded, however, the ice had ronsiderably improved; the thoss became large and tolerably levol, and some good hanes of water occurring, it wats calenated they had made between ten and eleven miles, and traversed a distance of about seventern, uftor more than twelve hums' actual traveling, hy which the people were extrimely fatigued; "but white the work," says Pury, "ssenied to be repuid by any thing like progress, the men habored with great chearfuhess to the ntmost of their strength." It may readily be imagined that the improvement of the ice, and with it the increased pregrress, gave much satistaction, though the encomruging prospect was hat of short duration.
"In proportion, then, to the hopes we had besm to entertain, was our disippointment in finding at nom that we were in latitude $8 e^{3} 4: 3^{\prime} 5^{\prime \prime}$, or not quite fime mites to the northward of yesterday's observation, instead of the ten or eleven which we had traveled! However, we determined to continne to the last our utmost exertions, thomgh we could never once encourage the men by assuring them of our making gowl progress; and setting out at seven in the evening, soon tomad that our hope of having permanently reached better ice was mot to be realized, for the floe on which we slept wats so fill of hommoes that it took his just six homs to eross it, the dinance in a straight line not exceeding two miles and a hall:"-1'. 98, 99.

Such a result was disheartening enongh to the officors, whe knew to what little eflect the struggles were made, of which, however, the men appeared to have mususpicion, thongh Pary says "they often hughingly remarked that 'we were a hong tine getting to this ©:"." This was merely the point nssumed, as they certamly had no suspicion that on their arrival at that point they would have been entitled to one thonsand pounds.* But, had they known it, they could not havo
${ }^{*}$ By order in council.
labored more amostly than they did. In their slow advane to the northward, the ice became so smatl that a single piece only cond be found to place the boats upon. Oll the ofth l'ary sitys,
"The wether improwing toward nom on the Sfth, we whaned the meridian altitiale of the sm, be which we fomm
 sicratan (at midnight on the 융), we had losi by drift ow hes tham thirteen miltes and a half; for we were now more than three miles to the sonthered of that observation, thom,it we had certainly taveled hetween ten and eleven due moith in this interval! Again, we wore bat one mile to the north of onr place at mon on the 21 st, though we hat ratimaterd orn distance made gool at twenty-three miles. Thus it apfeared that for the last tive days we hard beon stomeding


It now became obvious that the sea in this latitude had assmand a chanacter uterly matit for the kind of navigation, or, mather, of floe-traseling, which had hithorto been pursed-in short, that it had become hopeless to pursue the journey any farther.
"It hat, for some time past, been too evident that the nature of the iee with which we had to contend was suld, and its drilt to the southward, espectally with a northerly wind, se great, as to put beyoud our reach my thing but a very moderate share of success in thaveling to the und ward. still, however, we had heren anxions to mach the highest latitnde which our means would allow, and with his view, athongh our whole object had hong heeome mattainabla, had pushed on to the northward for thirty-five days, or matil half our resources were exprombed, and the midille of our season arived. Fow the last tew days the eighty-third parallol was the limit to which we had ventured to extemd our hopes; hat even this experation had heome comsiderably weakened since the setting in of the last northorly wind, which continued to drive ns to the sonthward during the mecessary homs of rest nearly as much as we conh gain by eleven or twelve homs of ilaily labor. had ome suceres bern at all proportionate to onr exertions, it was my finll intomion to have proceeded a few days beyoud the middle of the period for which we ware provided, trusting to the resomrees we expected to find at Table Ishand. But this was so tirr from being the case, that I cond not but consider it as incorring useles fitigue to the officers and men, and mmecessary wear and tear for the boats, to persevere any longer in
heir slow mall that the boats

26th, we we finnul ur list ols. y drift 1 ur now mure m, thousin due north the north estimathin Thus it ip. strugelits "-1' $10!$. s latitude, , kind of ad hitlorhopeless it that the was such, nertherly hius lout it wrthwart. he highest this siew, attainable. ys, or mut dle of our hird paralxtend our misiderahlis erly winl. during the lat gain by mur sucersis my fill inmididle of to the reut this was nsider it as d mineres $y$ lonerer in
the attempt. I determined, therefore, on siving the people Hine cutire days rea, which they very much merded, ind time to wall ind mene their elothes, whithe the oblicerswere ocempied in making all the whervations whim mizh to intoreating in this hatitule: and then tuse ont on oner return onn the forlowing day. Having commmicated my intentions to the people, whe were thl much disilpurinted in linding how bittle thair labers had effected, we set ahout our meinetive orempations, and were much favered by a remarkably fine dia. "-P' 102, 101.

In fact, the commander of the experdition, the officers and men, had ath of them been latrorionsly and uselessly amployed for thirty-five days of continuons aml monst futigning drudgery, to be compured in its effer to nothing less than the lathor of rolling the stome of Sisephus, the floe on which they were traversing, as they sumpsrd, ten or twelve miles one day, having rolled them back again ten or twelve miles, and oftrm more, the next.
The farthest point of latitude rached was on the $23 d$, and probably was to $8: 2^{\circ} 4.5^{\prime}$; that of thair return, $8: 0^{\circ}$ $40^{\prime} \because 33^{\prime \prime}$, and long. $19^{\circ} 255^{\prime}$ cast. The day was one of the wamest and most pleasant they get had expeririced upon the ice; the thermometer only from $31^{\circ}$ to $0 j^{\circ}$ in the shate, and $30^{\circ}$ in the sum; no bottom with 500 fathoms of line.

- It the extreme peint of our jommey ome distance from the Hocla wats only one hundred innd serenty-two miles in a $\therefore$ S. W. direction. To accomplinh this distance we had traversed, by our reckoning, two hundred and ninctr-two mils s, of which about ome hamderd were performed by water previonsly to our catering the ice. As we traveled ley fir the Ereater part of our distince on the iee three, and not mifiepuemly tive, times ower, we may sately multiply the lengeof the road ly two and a half; so that our whele distance, on a very moderate calculation, momment to fiwe humered and ciphty geographical, or six humdred and sisty-eight statnte miles, being perarly sulficient to have reached the Pole in a direct line. $L_{p}$ to this perion we had been particularly forthuate in the preservation of our health; neither sickuess nor "asualtios having occurred mong us, with the exception of the trithing accillents already montioned, a fow bowel comphaints, which were soon removed by care and some rather tromblesome canes of chilblains, atising from our constant expentre to wet and cold."-P. $10.1,10$.

On this dny of rest from their labors, Parry says,
"One ensigns aml problatis were displayed during the



 bly heromed that memtinad in any other werl-inthentiented nomal."

On the erth they set out on tharir retarn th the santhward, abll, says Piary, "I can salioly saly that, dreary and cherelless as wre the sedues we were about it leave, we mever thmed homewad with so little satistiation as on this orcasiom." No man mor horly of mon are chargrable with blame lor not aecomplishing impossibiltioss: the party in question have done more than had wer heren done at any times, or mom prohahly than will exer he done again on the same plan; it is moch to say hat they suceretert, in atvanemer towath the Pole af the earth, to a point which no hmman being before them had exer reachod, and atter a charertal ame pationt endmane of lahorions drugery, which, it is to be hoperel, no homan being will ewer hereaftrobe induced to reperat.

It will mot be meressary to follow one voyagers on their retmon the permanemey of the somthern curent, fore so it womld serm, atforded them the satisfaction of forling that whaterer length of jomroey they mande to the northward would bre so much gain, and mo buck-sliding; every mile would tell; they had, moreover, the alvantage which is moticed by Pary, of eretting rid al the glare from the smow, on acemat of the lowness of the sum at night, as also the combiortable change when looking out for the romd: and had the son bethind them. instead of lacing it, as on the ontwand joumey. Nothing very remarkable wemred on their return. A quantity of snow was met with, tinged to the depth of seroma inches with somo red coloring matter: this red snow ocemred in two or three spots, some of which they botthen, and found, on examimation in England by Sir Willimm Hooker, as former specimens were, to be the Palmella niralis, one ol the Algie, and which, long before, Baner had promounced to be Diedo micalis.
"A fat she-lowe crossed own at lane of water to visit nu, and approaching the boats within twenty yards, was killed by Licut. Ross. The ecene which followed was langhable,
porn to ns whe praticipated in it. Before the amimal hall done biting the sume, ome of the men wis alonserde of here with an "pren kuite, and lwing anked what he with about to do, replied, that he wat wone to cot ont the herat and liver, to put into the pot which happened whe then bailing for one supper. Jn shat, before the bear hanl bern doad in hone,
 dianssing the merits not only of the satid harat and liver, but a penmed per man of the theih; besides which, some or other of the men wore comstanty firying steraks dating the whole das, wer a hate fire mate of the bhbmer."-1. 11 .

The consequence of thas gomandizing on fat bear's Hosh was obvious. Devomed as it was with such atwidity hy the ason, some of them complamed for several days of pains such as usmally arise from indigestion, "though thry all," says Parry, "amusingly enongh, attributed this offact to the quality, man not the quantity of meat they hat catem." On the eth of Augnst they hambed ip the boats only once, and had made, though ly a winding channel, finm or five miles of sonthing. "Thas Was so musimal a circumstmed that we could not help "utertaining some hope of our heing at no great distanct from the opron sea, which seemed tho more probable, firom our having serm seven or cight narwhals, and not loss than two handred rotges, a flock of theso littlo birds wemrring in every hole of water." (On the 10 oth a strong southerly wind, that had blown from that quarter for tho last thity hours, had bown them back to the northward omly four miles, which it is sairl "alforded a last and striking proot of the genemal temdency of the ice to Wrift southward ahout the meridians on which we hat bren traveling." Arrived at $81^{\circ} 30^{\prime}$, the sea was found to be crowded with shrimps and other sea-insects, principally the Clio Borcalis and Arsoncuta Arctire, on which numerous birds wro feeding. This was the 1hth of A ugnst, on the morning of which the first sound of the swell was heard under the hollow margins of the ire, and in a quarter of an hom we reached the open sea, which was dushing with heavy surges against tho miter masses. "We hauled our boats," says Pary, "upom one of these, to cat onr last meal upon the iee." They were now filty miles distant fiom Trable I slame, which they reached ibout noon, and found that the bears
had devoured whl the bread, which orensioned a remark
 'apmain P'ary's ohsomation on timally quitting the ires,
 was, "J can now dexrabe the combint we expromened in once more fereling a dry and solid liewting." Of the fin-ty-enght days, hirly-thee were passed on the ont ward,
 betwerongong with the strean and aguins it.
 to pest. So rugged and inhuspitable is this morthern rowk, that not a simgle spot was finus. where the bame cond bee hanked up. 'To the islet lying ofl' Table Istand, which, Parry says, "is interesting, us heing the nowtharmont kiown lind upon the ghobe, I have applied the name of Lientemant Ross in the chart: alding, "for I hetieve mo individnal cam have exerted himstld more, stremonsly to rob it of this distinction." Any thing that comfers a distinction on the name of lames Ross is worthy of recording, and such is the following pasage from Sif. Willian Hooker on the "Botany:" "'Those spe"cirs that were gathered in Ross's Istet are peculiarty intomestig, from the circumstance of that island comstitnting the most morthern known land in the world." The plants maned are, Brymu-hypmon (two sperirs)Tricostomme - Polytrichme - Amgernamia - (iyrophora (Rocktripe, fwo species)-Cetratia-Cenonyeo (Remdeer grass, two speries)--Stercoiolon-Spharro-phorm-Aloctoria-Comicularia-C tva-Phiota-

It was not till the $\because 1$ st of Augnst that they arrived on liourd the Hecla, ufter in absence of sixty-ome days, -being received," says Piary, "with that warm nud cordial welcome which can alone be falt and not described." Thus ended at spitzhorgen this novel and perilous expedition, of which, though the object was not accomplished, every officer mod man employed in it may be proud. Thus fir Parry concludes his narrative:
"The distamen traversed during this exemsion was five humdred and sixty-niad grograplical miles; but allowing for the monber of tines we had to return for cur baggage during due greater part of the jomruess over the ice, we cstimated our actual traveling at nine hundred and seventy-right gro-




 the whone, we reathed the ship. There is me dombt that we
 *

 thas three remmen to their doty in a shore times.

 rial zal dioplayoul by my companims, huth otticors and mon. in the comse: if this excmsion; and if shaty furseremanes and active exertion on the ir pirts comblat hate acromplished
 burs. I must alsu mention, the the crodit of the altients of Wiolwich bockyarl, who towk sol much pains in the comstruction of our buats, that motwithstanling the constant and
 swore trial conlel not woll be devisiol-not a timber was anmur, a plank split, or the smallest ingary sustained by them; ther were, imderd, os tight and as fit fior serviee when wo raiburd the ship, as when they were lirst merived on boird, and in orery respere answered the intemded purpose almira-hy:"*-1". 109, 1:9.
(Captain Pary gives all due credit for the diligent and active mamer in which Lientenants Foster and Crozier fubilled their instructions during his absener, and for the romplete state in which he fomm the Hecla on his ro-furn-the varions observations interesting to scipnce somblomsly performed, specimens of matural history carelully collerted and preserved, and ull the duties of the ship carried on to his perfect satislaction. Many introating observations were made on the inclination, dip, and Entrusity of the magnetic nerolle. "Among other magnetical observations," says Pary, "an interostimer serins of homrly expriments had been made on the dimall changes of variation and intensity, and contimued for several hays without intermption, by the two lirntemants." From these it appears that a thamal aseillittion of the magnetic neodle takes place, usually momat-

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 Hhant $10^{\text {h2 }} \cdot 0^{\prime}$ S. V.. mill minimum intonsity about milnight.
 lays ind of W'aygat stait wore ol the salme himl, but





 of Sngost mot in somed comdition: they weremet with in horeds. from sis of aisht to twanty. 'There heas were hilled. me of which wiss of more tham melimery dimensions, mensuring bight tore fome inches fom the shome fo lar rowt of tha tail.

Ther bat rexpedition was less fortmate with regarm to animals: few living coratheres wore seron, and these


 to ther frienchap of Mr. J. ('urtis fiar the fallowine desaription of the mbly insere that was abtained duri lac voyinge" 'The deseription gives no introlligible in tion, ouly that it resembles mother sperios called it pice 1 . "The circmmstance of the Aphis boreatis hat-
 at one humbered milts distaner liom the nemest known land. and as fire nowth as $\times \frac{130}{4}$, rembers it in a mone tham ordinary degree interesting. As the one it resembles fereds on the silure fire so it is supposed that the doatine trees of fir that are to he fomme so abmulatily on tho shores and to the nothward of Spitabergen might possibly be the means by which this insect has heren transported to the northem regions." Perhaps so: but it. maty be asked, By what pussible means were the firs thas tramsportod?

Sir Edwad l'arry, at the conclasion of his marmate. after observing that the object is of more dittiont attamment than was hefine supposed, even by those persoms
who wore the best qualitied to juder of it, is still of

 com but recommond any matorial imprewemont in tho phan lately adopted. W'ith all deformere to the opimion uf : -xpriencons Sir Edward Pary, there art whers who Mpress dislike of such a plan: and it is mot improhmber that many of his rembers will ber dieposed to come to the fondelasion that, so long as the (imeroland Soas are hamperod with iero-so long as these, and hommoes, and
 tromined somblory arront provaik, wh lons will any attompt to carry out the plan in ghestion in like manner fail. No laborions drudgery will ever be able to compure the opposing progress of the emerent and the iore Josidres, it can harilly be doubted that this gathant ofliecor will almit, on farther comsidngotion that this masmal hind of disgusting and masemmolihe lobor is mot prorisely such as wombl be relished be the mond and it may In said, is mot axably fitted fir a British man-ot-war"s nan; moreowre, that it reguired his wwn all-powerfal asample to make it wen tolerablo.
'The marmive having thas tio mbaned, a comvorsation with Sir Edward Pary prepared the writer in some degree for the following letter :

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\text { "Admerolly, Q., Nore, } 1: 1 .
$$

 ing :un aremut of the procerdings of all the "expeditime by Sa and land which have beon engaged in Aretie diavomy in our own times, I venture to tromble yom with my present. viows ats to the practicability of reachan the North ionde overe the ine, to which you may pessibly make allusion in the eomes "if the interesting maratives which you have madortaken.
"It is evident that the canses of tailure in one former attempt in the year $182 \pi$ were primepally two: first and chicfly, the broken, meged, and seft state of the surfine of the io e Bur which we triveled; mal, necomdly, the dritiong of the whole body ot ice in a somblarly direction. On mature reconsideration of all the circmastaners attending this enterprioc. I am induced to alter the opinion I gave as to its prate ticability in my Jumal, p. 14. becamse I lubliew it to be om ohjoct of mo viry difficult ataimment, if set abome in a dilior. cht mamer. Mypan is, to aront with a single ship to spitz-
bergen, finst as we did in the Ihecla, but not so carly in the, sebion, the object or that year being merely to timd secure, winter quarters as far morth as possible. Fon this purposer, it womld mily be necersany to rearlh I fakluyt's Headland by the end of Jmue, which woild athord ample leisure for examining the more northern lamos, epecially about the seven lshank where, in all probability, a secure nook might be fomm for the ship, and a starting-jwint for thr proposed expertition some forty or fifty miles in advance of the point whes. :ha, Herla was hefore laid up. The winter misht be nsefilly emplayed in varions preparations for the jonrucy, as well as in magnetie, astronomical, and meteorological observations of high iuterest in that latitude. I propose that the expertition shond leave the ship in the comise of the month of April, when the ice wonld present one hard and mbroken surfiner, over which, as I condidently believe, it would not be diflientit to make good thirty miles per day without any exposure to wet, and 1 robahly without snow-iblimbuess. At this seasom, too, the ice would probably be stationary, and thas the two grat difficulties which we formerly hat to encomuter wombl be entirely obviaterd. It might form a part of the plan to pmoh ont supplies in advaner to the distance of one handred miles. to be taken up on the way, so as to commence the journey comparatively light $;$ and as the intention would be to connplete the enterprise in the course of the month of May, before any dismption of the jee or any material softening of the sarface had taken place, similar supplies might be sent out to the same distance, to mect the party on thair return.
"It mirht, farther, be worth while to take reindeer from Ilammerfist in passing, with the chane of keeping them ative duming the winter on such firinaceous food as the provision of the ship could fiumish.
"I will ouly and,l, that this plan might be accomplished withont the ship incurring my material risk, since the mavigtion both out and home ned only be performed at a searom when the sea is very litthe encminered with ice; and, morrover, an opportunity wombl he afforded during two senisons of stretching fir to the northwart in the ship, if the state of tho ice should prove tavorahle. I remain, yours, Se.,
"W. Parry."
"Sir John Barrow, Bart."
The plan here described is no doult an improvement over the one that failed; but without presuming foo much, not being altogether macquainted with a ship's nuvigating among what is called sailing-ice, it may bo ullowable to suggest another and a difierent phan, and
perhaps, on the whole, less objectionable. It wonld comsist of two small ships similat to those which. atere three years' service in the Antaretie Seas, are now engrased in the ice of the North Polar Seas : they should ber sent in the early spring along the western coast of Sipithergen, where usually no impediment exists, as firl up as c0 ; take every apportunity of procereding directly to the north, where, abont $x^{2} \boldsymbol{z}^{\circ}$, Parry has told us, the large floes had disappared, and the sea thero was found to be loaded only with loose, discomnected, sme!! masses of ice, throngh which shipe wonld tind mo difficulty in sailing, thongh totnlly untit for hoats draggimg : and as this loose ice was drifting to the sonthwird, he firther says, that before the middle of August a ship) might have sailed up to the latitude of Pa $^{\circ}$ almost without tonehing a piece of ice. It is not, then, unneasmainle to expeet, that begond that parallel, even us fire as the Pole itself, the sca would be free of ice during the six smmer months of perpetual sum through ach of the twenty-fom hours, which, with the aid of the current, woud in all probability destroy and dissipute the Polar ice.

If, then, on the return of Sir John Frmblin's ships, the screw-propeller supplied to each should havo been finmd to answer, a fair opportunity would be aflorded of deciding the question. The trial would soon be made, and, from the experience of Parry, would be mado withont danger of loss to ships or men, for it is probable they would not huve any ice-bound shores to contend with. The distance from Hakluyt's I Headland to tho Pole is 600 geographical miles. Granting the ships to make only twenty miles in twenty-four hours (on tho supposition of mueh sating-ico to go through), even in that case it would require but a month to enable the explorer to put his foot on the pivot or point of the axis on which the globe of the earth tums; remain there a month, if necessary, to obtain the sought-for information, and then, with a sontherly current, a fortnight, probubly less, would bring him buck to Spitzbergen.

To such as may venturo to ruiso their feeble objections against this, and other daring enterprises if not attended with the prospect of probable protit, let them
receive the answer given by that brave old navigator, Sir Martin Frobisher, when attempts were no ale by his friends to dissmate him from engaging in the discovery of a northwest passage: "It is the only thing in thin world that is loft yet mono whereby a notable mind might be made famous and fortmato., We may still say, "The North Pole is the only thing in the wort about which we know nothing; and that want of all knowledge ought to operate as a spur to adopt the menns of wiping away that stan of ignomace from this enlightened nge."

But there aro others besides utilitarians that mako objections to inquiries oil this nature, on the seore of - religions prejudices, mod will siy that (iod never intembed its to serutinize phaces against which II had set hir; bartior. Thus the Rev. Lewis Way, the wealthy proprietor of Stansted, and so stanch an advocate for tho courersion of the Jews that he made a pilgrimage to Teansalem with that object in view-this reverend geathemim one day said to a friend, "I know Sir Josipht Bamks very well, and he wos a good friend of mine. though he usid to joke with me sometimes ahout my andavor to convert the Jews; but I told him that my. schome was, ut my ruto. a much wiser ono than hishe was trying to semd ships to the North Poke, whirlt it was clear (iod never intended, while the conversion of the Jews was an event which we all know was to be hrousht about some time or other."

This may be looked upon, as dombtess Sir Joseph Ban' looked upon it. as sheor nonsense. Evary intel: ent mind most be satisfied that, the more closely we avestigate the worlis of creation, the more, as mtional beings, we most bo convineed that nothing therem has ineen mate in vain, nor withont a preconcrived and sethled design, the finished work of a bebeficent and Almighy Power: and if Mr. Lowis Way had recot lectad a jassige in the most morient record of his fiverite dews, he would recollert his having fomed therom that (iod gave to man "donimion over all the earth," mud made no exception of the North Pole.

The Royal Society, howerer, and the Commissioners of Lengitude, were less scrupulous on the subject. To

1 navigator, 1. de hy his 0 discoirery hing in then otable mind e may still the worl want of :lll adopt the e firom this
that make 1e seom of ver intendhaid sest his; ealthy peroate for the lgrimage t" orend genSir Iosiph d of minc, ; about my in that mes , tham his: 'ole, which neresion of was to be

Sir Jospph Every illore elinsely 10re, as raining throwin iccived and aficent and had reenlf his favorfind themin the emoth,"
minissioners ibject. To
facourage a visit to tha North Pole, they recommended to his majesty in commeil to pass an ordor grantine the payment ot a reward of five thonsand pounds : , the tix ship that shall apmench within one degree of the North P'ole. 'This order is not to he comsidered ns merely an inducement for makng the attempt, but chiefly to manifest their opinion of the value of the sheme. It is protty well mederstood that British maval ohicers, who, like Pary, Franklin, and others, embark on arduous amd hazardons enterprises of this mature, are inlluenced not so much by motives of percmiary rwards as by the hope of contributing, by their exerfions, to the enlargement of knowledge and science; their udditional ohject, and that a laudable one, being the arguirement of present reputation and future fime.

> "Fane is the spur that the clear spirit doth raise ('l'hat hut intirmity of moble mitents) 'lo ecorn delights and live laburious days."

Dr. Johnson snid that the man who had seen the greal wall of Chim might be censidered as shedding a lusery on his grmad-chitdren. But what is the wall of ('hima! which has not only beren seen by Lord Macartbey and his party, but saled, and its hrond parapet trodden on, hy them. With how much more brillimut a Instrer would this great mombist have decorated the descrombints of that man who had stood on the pivot whereon this globe of ours forever turns, and hoisted the British thag on the most remarkable spot on the math's surface? The wall of China may be seon any day: and any one, without the least difficulty, might whain a view of it by a trip in one of our yachts to tho (inft of Leatung, into which it descends mid terminates.
T'o describe what a visitor to the Pole might ohtain in the way of science, it can only be said, in our present stute of ignoramee, that the whole field would be open to him: every thing would he novel, and that alone would romse his attentive facolties. West homimum unture novimotis aride. 'The difficulties thai would neene may le appreciated at home, but they will he greater or less aterording to circumstunces, at which we get know nothing: that is, whether the Pole ? sea, an icy sea, or by hand: and which of the three would

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create the greatest difficulties in the way of arquirine information! In all respects an open sea womld appear to be the most disadvantageons. In the first place. it woudd, in all probability, be so deep that the ship cound not anchor, or derppenough not to admit of her krepine stadily hor place for making aceurate observations: in the mext, by her moving about, her commander would very speedily find out that, as every meridian must lie. in the direetion of sonth, he had lost that on which he had approached the Pole, and, consequently, would be at a loss to shape his course homeward. 'The sattline of this point will maturally suggest itself as first amoms the many novel phenomena which will arest his attontion, and the following observations will probably ocear to him.

In the first phace, it will be obviens that the time of duy-or, rather, of the twenty-four hours-wonld mo longer be marked by any apparent change in the altitude of the sum above the horizon, hecause, to an observer at the Pole, no such change would take place, execpt to the small moount of the daily elange of declination. Thus, wot only to the ryo, but also for the practical purpose of ohtaining the time by astronomical observation, the sma would appear thronghont the twenty-four hours noither to rise nor fall, but to describe a circle romd the heavens parallel to the horizon. It follows that this mode of obtaining the time wonld utterly fail ; and, inderd, howevar statling the fact may seem, it may mor ertheless be asserted with truth, that there womld no longer be any such thing, strictly speaking, as apparent time at all. 'This will appear clear by considering that apparent time refers only to the particular meridian on which an observer happens to be placed, and is marked and detemmed only by the distance of the sum or other heavenly body from that meridian. An observer at the Pole being on no one meridian, but at the point where all meridians meet, apparent time has to him no longer either existence or meaning.

Before our mavigators entered upon this expedition, their attention was matmally directed to the best, and, inded. only certain methorl of insming their return from the Pole on the right meridian. 'Two methods, and.
we believe, only two, present themselves for this purןuse; the one being by the compass, the other by memus if chronometers. From the observations already made in the Aretic regions, it may be considered as arertain that, at the Pole, the magnetic needle would freely tavfres, and the compass remain an rllicient practical instrment: for as it is to the metenetic pole, and not to the pole of the earth. that the nordle is directed, and ns
 northerly point yet reached, it is probable that the horizontal or directive force of the needle would continue strong and efficient at the Pole, and, consequenty, that the magnetic bearing of my point on the globe might bo accumately obtaned by it. Indeed, none of the singular phenomena relating to the magnetie noedle observed by larry on his former voyage throngh Barrow's Strait, such as the north end of the needle pointing due south, and then southeast, and the entire uselessuess of tho (ompasses, owing to the iron in the ship proving stronser than the directive power of the needle, were to be anticipated on reaching the pole of the earth. For the samo reason, it was not to be expected that the achievement sinco performed by his gallant companion, James Ross, of actually planting the british tlag on the magnetir Pole, could now be accomplished, as it was already hnown that the point noon the earth's surface which is so designated hy in a much lower latitude.
'The other method of insming the retmen of our travclers upon the right meridian, namely, hy means of chromometers, was ono which required some consideration. It is obvious that, to an observer standing upon tho Pole, the sum would, at the precise moment of apparent noon at any given place, uppen to the observer exactly in the direction of that place, and that consequently this, as uscertained by chronometers, would prove an unerring guide as to the right direction. But in the ordinary mode of marking the dial-plates of watches, from ono hour to twelve only, there was reason to apprehend that the wrong twele o elock might be taken, under circomstances of constant sunshine, and withont any change in the altitude of that luminary to distinguish day from night. 'To avoid the possibility of this mistake, the pro-
caution was taken of constructing chronometers (each officer carrying one in his pocket) having the dial-plates marhed with twent $y$-fom hours, mul the homr-hand mahing only one revolution in that period. 'Thas, whenever the chronometers indicated apparent noon at (ireonwich, the sum would be exnctly over the meridian of that place, and so of any other place of known longitude ; for instance, the larbor where our travelers had left their ship, and to which they desired to return.

In visiting a part of the globe on which the foot of mm has never before trodden, it is impossible to say what benefits may accrue to science; but in the entorprise to which we me now alluding, there is one objeret of the very highest scientific interest which might bee attained by traveling to the lole, manely, the measurement of a degree of the moridime commencing from the Pole itself. Many roaders of this narrative are aware that the form of the globe has long since been ascertuinod to be that of un oblate spheroid, having its equatorial diammer considerably longer than the polar ; in more popular language, that the earth is flattened at the poles; but it still remains $n$ matter of donbt in what degre this flattening exists ; and as no method of ascertaining this is so conclusive as the actum measurement of a meridian at the Pole and at the Equator, this object alone would wall repay any effort that might be made to eflect it ; even if a sufficient length of line conld be measured in one of the meridians that are clustered on the Pole, the difficulty of preserving it would require the most rigid attention.

The swinging of a pendulum is perhaps a less acenrate method of obtaining the ellipticity of the earth, but it is the operation of a single person, whereas the actual measurement of the meridian line requires several ; and ats an increase of gravitation takes place fiom the Equafor to the Pole, the latter makes it most desirable that the requisite observations should bo made there. or as nein to it as possible; but a ship on an open or icy sea would not answer.*

The tides at the Pole would be an interesting subject

[^16]ters (cach dial-plates hand mahwhenever ireenwich, that phatere, le ; for inleft thair he foot if ible to say the enterone objocet ight be at-measuregirom the are aware ascertuinequatorial ; in moro the poles; eat degrec sertaining it of a meject alone e to effect measured the Pol', the most
less accueurth, but the actual veral ; and the Equairable that lere. or as or icy sea
ng subject olume for the: ren.
to examine: but it does not uppear that any contrivmen ma an "pen san, or a sen ot ice, could be made use of to ascertain the rise mad lill.

Mugnetism, atmospherical electricity, mod the Amorn Polaris, and all other meteorolegical observations, woukl ablind scope enough on board ship.

Shond land, however small the portion, be found at of near the Pols, all the varions olservations would be conducted to a successiful issine. It may be presumed that any such hand will not be momatainons, as no iesbregs are ever sent down from that quatior, these masses having been ascortained as products of elaciers on the sites and valleys of high mommans, as in Spitabergen mon Greenland. On a pioce of hand the pendulam may he swong, and the rise, fall, and direction ol the tides obsurved. It wonld also be interosting to examine into the nature of the soil, and its vegetable productions; the disposition of the strata, and the mineral products, if any ; and if the land be of a tolemable extent, a meridional distance may be measwed. Other matters of interest and movelty would occur to a sciantific and skillitul observer. These are mere speculations, thrown out at ramdom, but may serve, among other suggestions, as objects of attentioll.

C'iptain Sir Edward Pinry having now concluded his fifth royare into the Arctic regions, in four of which he fommunded, and was second in the other, and there beine no farther attempt in contemplation at the conclusion of the last voyage to continue the samm, he deemed it expedient to close his homorable amb useful naval career, at leist in sea-going ships. It may, therefore, not be ont of place here to pat on record a memoramdan of the valuable services rendered to his country in various sitnations, and to the navy in particular, with whose interests he is still comnected.

It has been stated, in the first Arctic voyage, in what manner he was infrodnced into that line of service, by binice selected to command one of the discovery ships. 1:13. The Alexandow, as lientenant commanding, being second to Commanler Ros.s.
1919. The Hecha.- Ippointed as lientenant to command her, i.jul as commander of the experlition: two years.
1820. The Finv- - Tppointed as commander, med th the crom. mand of the experition; advameed to the ramk in aptain in Nommber, $1: 21$.
102:3. Actins hadrostiphore to the Ahmiralty, 1823, in the

 and as commander of the axpedition.
Acting hydrownipher, serome appointment, the vat (anry not having been filled up.
1820. Apminted to the command of the Hecla, and of the "xpedition toward the North Pole.
18:z. Third :pposintment as hydrospupher, and contimad tw act until Nay, $18: 2$ ? : and in the sme year recoived the lomor of kniqhathood. Resigned the sitmation of hydronrapher, and Captain Beantiort uppointed, who still holds it.
1899. Went out to New South Wules as Commissiomer tu the Anstralian Agricultamal Company, by permission of the Ahmially, and returned in November, $18: 33$.
1835. Assistint Poor-lin Commissioner in Norfolk; but his health lailing, bad loy for one year.
18:37. Appointed to organize the Packet Service, then trans. firmed to the shminalty.
1837. Appeinted Controller of Steam Machinery, in whirh important sitmation la still remains; a sitnation that reguires all that talent and assidnoms attention which he is known to possess, ind whieh it is to be hoped he mas long cominuse to hold, to his own satistaction. and fir the benetit of the phline service.
The character and combuct of sir Edward Parry as a captain in command ol a ship ol war has been fully exhibited in the present marrative, abridged as it is: prompt in difliculty, cood in danger, fertile in experdients, and rich in resomres, he was never mprepared in the hour of need; to the people mular his charge he was kind. comsiderate, and attentive, and while rigidly exacting tho frerlormane of their daties, was arer studions to administer to their combints and their wellare, instructing them that these beredits combd only be acquied mod preserved by a strict oludience to command, steady good conduct, and due regind to the duties of religion.

If ma officer who has accompanied Captain Pary in all his Aretic and l'alar vorages were passed orre in silence, it wombld propery be consildered as a dereliction of fustice and ald duty in the writer of this narrative. The

It the crum. the rank if 1893, in the nly a shom! nt, the val , and of the continued in car recoinal silnation of rinted, who missiomer to yermismint nlier, $18: 31$. illk ; but his , then trans.
$y$, in which ituation that ention which th he herudd satistaction.

Parry as a en fully "xis : prompt dients, and in the hour e was kind. exacting the is to adminneting them d preserved od conduct.

## in l'ary in

 d aver insiareliction ol ative. Thefollowing memorandum of Captain Sir Jamos Rosses serberes will put the realer in possession of inn abstate of whal he has pertimmed:

In Spril, 1812. he antered tha navy.
1::1: $\}$ Vohmine er lirst class, midshipmam, and mate with Com$1:: 17$. $\}$ matuder Ross.


1:19, $\}$ Nhimalty inidshipman in ihe Heclat in ('iptain l'ar-






hamwinss.
10:27. First lientenam in the Hecla, Captain Jamy ; aceompaniod him in command of the soromed hoat in his attempt to riach the North Pole. Promoted on his return, 8th Xumember, 1897.
1029 ) In private strim-ves.s.l Victory.
to. $\}$ On the list of Jume, 1831. planted the Thion-jack on
 by the Collose of Arms with an inhlition to the ampos of Rosar, reposemting the has flying on the Masnetic Pole, with additional crest, $\operatorname{Con}_{\text {a }}$ a rack, is
 seribed with the dite, lat Jmme, 18:31."
18:3.3. Promoted to the rank of eaptain, Bish betoher. 1831 I.
1:3:5. Employed making masmetic olsarvations ine pamany

1836. Captain in the ship commissimmed bey the silminatty, sent in surnel of the missing whalers, in the degila of winter.*
1837, \} Employed, at the desire of the Lords Commissioners 1833. $\}$ of the A dmiatty in determining the variation of the compass on all parts of the const of (ireat Brit-

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CHAPTER X

## CAPTAIN JoIIN FRANKAN．

181！－：（1）－21－2！。

 ノirpedition．
＇Toms יxpedition，muder ther eommand of Commandere （now（：aphain Sia Johni）l＇ramblin，has mot only aldeal
 of that portion of the minthom ranst of Nomb Amerien whlion the Aretie regions，hat more expere ially to that whirh borders on the somblem shomers of the Pohar sia；
 wh，that restimate of tha physical，mental，uml moral
 inse ons shore us nlloat－which we V＇unglishmen had lomer finturd，and of which we are justly promd．It has also ＂tplied lmits of chanacter，and of the physical consti－ Hition of the va，＂bes mative tribes．
＂The namative of captain Fimaklin＂（the writer is here， In⿻丷木⿴囗十心
 －nf that rowl and intrepuid comduct whieh mever forsakes them on orasioms the mest trying－that mushaken romstaney and presworemer in sithations ihe most ardame，the mest dithesins．and sometimes the most hopeloss that can beftall human licings ；mal it fimishes a bramifial example：of the
 in the suphe teret that out of tifteen individuals immerl from
 （mative lamesmen）were so subdued by the ateranation of thon wils to whielt they hat hew hathituatod as to give themsives up tor imlithorionere，insulomdination，ind despair， and．linally，w sink down and die，while of five British se：t－ men nuacrostomed to the serority of the rlimate，and the， hardhiges athembing it，one only foll．and that ome hy the
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 mont of matural histary : and I am indoloted to him in mo small dexrer for his livioully mdvere mod assistano in the


 ('impuin limmblin an his seromel expertition to the shomer
 ort Ilaed, Admivalty midshipmon, to mahe observations.
 mat history, the formor of whom is mow ('mphin sir


 ouly uttembant, who, on the romelnsion of the expedition.
 ande of the dorlyards. Of this semman, the testimony

 due to the fidelity, exertion, mad miform good comblat,
 lish semman, and our only mitembant, to whom, in the latter
 the proservation of the lives of some of the party.".

The instrotions whirh franklin recoived from lian batharst. by whon he was apminted, on the reome memdation of the Lomals ('ommissioners of the Admital-

[^18]III minnan II， $11014-101$ ． hirlin miduly

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 I sill aron． laspital al ular．＂大＂ atrorr col－ lar depratt－ hill ill li．
 Appomlix mosily his
 ther shomers I Mr．Va， sorvations． is ol mull－ ＇川ииin stir lowse allui－ H，phı！＇ル． 1，milll thinir experdition． sithation in fostionomy cd．＂：inl the trihute nl comlines， ri，all Finm－ IIt the lather ＇rovidener． mury．．＂ from lian he recomb－ o Almital－

Is，intianoud hime that the mmin wheer af the＂xpedition was la explore the metherm const of Amerime fomen the













 ar during the lirst werk whiged the ship to unchore in Jimmomblands，where the ollicers and passongers ven－ fural on shore lor a fow homs：but the wind sudden－ If changing，the commanmer consed goms to be fired．as an intmation of putting to sen；the passerngers linth－ with ombarked，bat Mr．Burk was missime：motime，
 red without him，mud mrived at Strommess on the Bd of lume，whore businness with the Iladsom＇s liny ngent，und the difiaculty of ohnuming lour boatmon to assist in tha mavigation of the lakes mul rivers of North Ameriea，No－ fatued them till the exeming of the ！th，＂when we had the gratifation，＂says Framklin，＂of woldoming our ah－ sont companim，Mr．Back．Ilis return to our socioty was hailed with simere phasme hy rover one，mal re－ moseal a weright al anxioty trom my mind．It aporars ha had come down to the beach at（＇aistor just as tho ship was passing by，and had upplied to sombe bathom to comber hinn on binal，who，diseowring the amergen－ ey whis emse，demanded an exmbitant reward，which lic was mot at the instant propared to satisty，mad，in con－ segnenco，they positively relused to nssist him．＇Though ha had tmueled nine successive days，ahost withont rest， la comal not be provailed 1 pon to withdraw from the a memable seone of a ball－romm．in which he joined us， mutil a late homr．＂＂This untoward circumsianer．＂as

Franklin called it at the time, aflorded a sample of his Angerness and curry and wave to Back himsilf a wouHe spercimen of what ho was doomed thereafter to underge with infinitely more severity.
'I'loe incidents of the voyere regure not to he related; pleasant abougi mutil they apmoanhed that dangerons mul be all ablormed island, Revolation, in the month af Ithdem's strait, near the rochy showes of which, mstally hesed with heary iere, fogs and irregular coments, the ressel narrowly escaped shiporack. P'assing this. howaver. they arved in satery at York Fiactory, in Itulsomis Bay on the 30th of A agnst. Lere they were cordinlly received by the gevermer and servants of the lhadson's hay Company, and ware furnished by them with a boat of the largest size, well stored with provisions and ammmition, :s much as she conld carry. 'Thoy wore ulso fimished with lefters to all their agents in the sereal factorias in the comntry, directing them to give arary possible assistance toward finthring the object of the expedition. I Here also they had the good bormare to meet with sevoral of the partucers of the Norlhwest Company, from whom they also received the most friemdly and full assmrance of the cordial ruleavers of the wintering parthers of their establishment to promote the interest of the expedition. 'This was the more gratifying as there then existed a vielent commereal rivaly between the two companies. With the howledgo of this, and with that prodence and propriety of comber that has at nll times been the chanateristic of Framblin, he dermed it experlient to "issure a memomandum to the offieers of the expedition, strictly prohihiting any interference whatever in the existing quarvels, of my that might meise, bretween the two compmies: mal on presenting it to the pincipals of both the parties, they expressed their satisfinction at the step I han taken."

On the 9th of suptember, the boat being completed, arrmugements ware made for their depmerture, and at nown they embarked under a salute of cight gums and three chreers. which they gratefilly retumed, mind makle all suil. The route was settled to be by C Cmberhnd I Ionse. and throngh the chain of Posts to the (ireat shave Lake. It is not deemed necessary to notice the multitule of
lo of his If a er to unrelatul; myspols neuth of 1, usually ents, the, his, howin 11 inl sere corthe Ilulrem with sions :and 1ey wre the siregive roalject of iottilue to est Comfricmuly e winterthe intertifying. is brtweon this, and bit has it - deemed fifers of we whatarise, breit to the their sat-
mpleted, id it nown and three made all id House. we Lake. Ititude of
lakes, rivers, portages, mad the momerons dithembes and impediments which besse the traveler thronghout his nrduons jomrners in the northern regions of America, these baving been so frecturnty deseribed by varions travelers since the time of Hearne and Macherizies. Sulfice it to say that. from the time of their leaving York Fiactory oni the !th of Septomber, to their arrival at Combertaid Honse on the :3d of October, they han traveled ower a distance of very nearly seem homidred miles, with mal against the stremus of some ten difiterent rivers and nime lakes, to say nothing of rocks, mpids, mad pormers. Tho chats and views, from the wherrations and promeis of Messiss. Hood and Back, alliord a more clear description than any written acombt cond comery. The survices of these wo officers in these ind other respects were of incaleulable benctit. mid highly spoken of by the commander of the expertition.
Nothing cond exared the himdness of the governor of Fow C'mberland: he forthwith set ubom enlarging the premises, to mate this their intented winter guators as comvenient and agreeable as possible. But Franhlin, afher many comversations with (Guromor Willians, and othar gentemen in charge of northern posts, was combine in of the meressity of provereding, during the winter, into the Athobasca department, to the berthward of the (ireat Slase Lake, from whence, omly, guides, honters, and intupreters were to be procured. Ha theretione requested Gowernor Willians that he might be furnished, by the middle of Jomary, wit? the means of comverame for there persons, having provionsly armuged that Messiss. Back and Itepharn shomld arcompmey him, while Dr. Riehardson and $\operatorname{Ar}$. Hood shombd remain till the spring at C'muberland Itomsis.

This armarement was quice consistent with the true charactor of Frablin; whenere an arduons, se we or inconvenient service was to be perfirmed, he was always ready to redieve the party la commanded from the hirden, and to mudertake it himself.

With this view, on the 1 th of Jamary 1 woll Framk lin, with Back as his companion, mud the taithtul Hopburn, took leave of Dr. Richardon and Mr. Hood, who wre to follow with their baggage in the spring. But, $1 \because$
before taking a brief view of the expedition of the first three to Cinlton Honse, anl thence to Fort Chipewyan, it may be experdient to shance over the proceedings of the two latter at C'mberhund Itouse, to which a chaptare is spamately apmoprinted in the marative. The distriat of Comberland is stated by Dr. Richardson to comain upward of : $\because(0,000$ square miles, is peophed by ubout $1: 0$ Julian honters, most of them maried, with an average of five to each family, or the whale Indian population
 them to great privations; the homping-comgh nud meat sles at this tme were spreading through the whole triber: many died, mad most of the sumvers were so enforblod as to be mable to pusue the necessary arocations if hanting mal fishing: the scemes of misary were haritrending, and the few who had escaped disense were not able to athord relief to the sulferers.
"One evening, in the momth of Jinmary (says Dr. Richardson), at poor hedian rutered the Northwest Companys Itomes. earriner his mely child in his arms, and followed by his atareing wife. They had been hanting ipurt from the ofler hame, had hern masnecersfinl, and white in want were seized with
 and it is mot casy turelicit from him an accome of his suflierings. This poor man's stery was very bridf; as som ats the fever ahated, her set ont with his wife for C'mumertand Honse, having bern previonsy redneed to feed on the bite of skin and othal whirls rennimed abont their emeampment. Bern this miserathe fire was watansted, and the walked several dars withent catines yet exertine themese fer fir heyom the in strongth, that they misht save the life of the intani. It died almost within sight of the homse. Mr. Commelly, then in chatere af the pos. received them with the utmost humanity,
 describe the mamer in which the misemale father danthed the momel firm his ligs, and deplomed the lase of his child. Minery mas hamen a dioposition matually hand, hat it mever fails tio solten the heart of a goon mam."-P' Go, 6it.

A great part of the chapter is employed in a minute ureome of the Crets, or, as mmed by the french Cit madians. Knistomeans. Much curions intormation ragating their mamers, customs, und chmater is developed. and upparently an correct nuthority, but the detail would
the lirst ipewyall, dings of 1 chapter e district 0 contain bout $1: 0$ a averase opulation sulyjuress and moricole tribe: entionded ations of whe hertwere mot

## r. Richard-

 y's Homis, hisis staryher bimits, red with to starve, his sullicr(1) ind Hense, its of skin -nt. Buen ed sinveral roud their t. It ، 'inel ly, then in hmmanity, M1:are cim arr dinsturd f his child. nit it nevera a minute rench Cinion regarddeveloped. etail would
be out of place in the present mamative. It may suffiee, therefore, to give the doctores eotrebsion, where he siys: .. We may state the Crees to be a vain, tichlo, improvident, and iudolent mere, and not wory strict in their udheremee to truth, being great lwaster: at, on the otha hamd, they strictly regimd the rights of property. ure suserptible of the kimer allections, copable of friendship, wery hospimble, tolembly kind to their women, and withal ine lined to peace." He then gives mn instame of their hind leoling toward the sotior sex. "An Indian visited the fort in the winter. The peore man's wite had lest here fert by the frost: this compelled him not only to hont, hat fo do all the memial offiees himself, und in the winter, to drag his wife, with their stock of furniture, from one encampment to another. In the protomane of this duty, as he conld mot keep pare with the rest of the tribe, he more than once nemly perished of hunger."

In sur! a modr of lite, in sucti a country, and in such suciety, it would be too much to expeet a stute of refinement, of of moral purity, even in femules of the better part of the commonity, especially when the male portion of it is so mebased.
"The girls at the forts, partienlarly the diaghters of C'anidians, are given in marringe sery gomg ; they are wey frefuentr wives at twelve yensuf age, and mothers at fonfeen. Xisy, bore than one instance rame muler our observation of the mastor of a phit having permitted a vorager to take to wife: a pur child that had stamery attained the age of ten vars. The masters of posts and wintering partuers of compamies deromed this armanat indalgence to the viees of the ir arvant meressary to stimulate them to exertion for the inbrest of their reapetive comeros. Amother practice maty aton be noticed, as showing the state of ammal ferthag on these sobjects anmes the white residents of the fire commers. It was nut wery mucommon among the (ammenam voyares for onu woman to the common to, athl maistamed at the foint "xperse of, two men, her for a vorager torll his wife, -ither fin a sexsom or altogether, for a sum of money proporbimed to her beanty and somel qualitios, but always inferior to the price of a team of dogs."-l'. 36 .

The products of this purt of the romutry are noticed by Dr. Richardsom. Of forest trees he mentions two species of poplar, two species of spruce-fir, three other
pines, one larch, the canom-birch, aller, and varons willows; the sugir-maple, elm, ash, and arbor citre (Thusia occidentalis). Ot firnits are two species of plam; onr. very nstringent, is known by the name of choke-chory. Currants, qoosehrmies, raspberies, and strawheries, common: cmobries, whertlebervies, mal others, phentifinlly mot with on swamply and heathy grommes. (if the fuadruperls homed for food me musitly the monso and the reindeer, the bumiale or hison, the red deer, jumping dear, long-tailed deer, and a species of antelopr. Of the fin-bobiting amimals are foxes of vatoms kinds, distinguished as black, sileer, cooss, red. and blue; tho wolverime, the lyns, the marton, the fisher, the oltor, and the beaver. 'The Indians, it appars, have mearly destroyed the fim-horing mimals; mad so scarce is the, beaver brenme, that in the whole jommer to the shomes of the Polar Sea and hack, one simgle habitation, and mo dan only of that industrions and ingenions creature, wore met with. Among the many intresting ancedotes that have been told of this mimat, Dr. Richatrdson relates the following:
 five yome beavers surtine in the water, leaping ipon low trumb of a tree, pmsing ons another oll, and platine at thomsand interesting tricks. He: appoadhed sotily umber coser of the beshes, and propared to tive on the masisperine reattures, hut a nemer appathel diseowred to him sum a similitull lotweren their gestures and the intimile carresses of his own children, that he threw aside his sum. This semhemation ferelings are to bo renvid, but few traders in firs would hase acted so teelingly."-1'. 92.

It has been stated that on the 1 tha of Jamary, $1=00$, Sir John Framklin, Mr. Back, and John Mcpburn left
 theme to Font Chipewam, there bmake preparation for proereding to the northorn coast. A ciremmstantial accoment is given of the mode of travelinge of the rivers, lahes, amil protases of the posts of the two companios, of the sumes that foll, and the mumeroms hardohipe that then traveler in winter must necossarily mulergo, daty and nighty, till the moves at his destimation, and the close of the spring initigates the severity of the temper-
tions wil(Thuya 1111: оा", e-cherry. wherrics. rs, plenils. (1i e mosso ed dere, anterop. us kimus, lue : the ac ottre, e nemary ce is thi, e shores , imilone reathre. inciloter dson re-
 "pon the IE : hlunler cower tine croct 1 a similises of his whemations mild hirive
$Y, 1=0$, jurn left ed from ation lion matial ac4 rivers, пр:инi"s, hips that En. dialy and the temper-
ature. What the state of that temperature had been firm the 1 th of damury to the etith of March, when the party reached Chipewyan, there is no record, for a remom explained hy Franklin. who says that " this evoning ( $1 \times$ th of Jamary ) we finum the mercury of our thermoncter had sunk into the bulb, and was frozen. It runc again into the tube on being held to the fire, but quichly redesconded into the butb on being remowed into the air ; we cond not, therefore, ascertain by it the temfriature of the atmosphere, either then or during bur jumbey. Mr. Hood, however, who mande a joumey from Comberland Honse to the Basquian Lill, not biar from the firmer, states in his jommal. that on the exth of March the thermometer leil in the ofrom air to $15{ }^{5}$ below zero, althongh it ruse the following day to $60^{\circ}$ above it. The sudden changes that take place in the nurthern parts of Xorth America are wry remarkabs. On the 15 th of April Ma. Aloud records that "the first dower of rain fell we had seen for six months, and on the 1 th the thermmeter rose to $15^{\circ}$ in the shate." Hhe also ohserves that, "on the 10 the or 1 2th of April, the rimin of the swans, grese, and duchs gave certain indications of the advance of spring."

The warm weather, ly the sudten melling of the snow and ice, dehured the fine of the comery, and gave rise to a remark of Mr. Howd, the truth of which has beroll prowed by many woll-iltested facts. He siys, - the move made by the frogs which this immatation produred is alness incredible. There is strong reasm to lodieve that they outhe the serprity of wintor. 'They have often been fomd trazen, und revied ly warmb; nor is it possible that the multitude which incersamty filled our ears with tha ir discordmut notes could have beron matmed in two or three days." Strong donbts had long before this bern entertaned of the correctuess of the lact here stated, but experiments made ley competrit prersathe proved that not only fregs. but hecehes, shails, gruhs, fishes, and other aminats, combla the from by atiticime rold, and merived. It was farther ascertane that froms would revive if the heart men was froa'th, hat that if the bruin was cengeated, lite beceme so irteromerably wtinct that not only could no degree of warmili prodece
symptoms of recovery, but the animal was rendered incapalle of be ing alfieted by the galvanic action. "I have frephently," says hearne, "seen frogs dug up with the moss, fromen as hard as ice, in which state the legs me as easily brokrn off as a pipestem; but," he adds, "if they be permitted to freeze again, they ure past all recovery."

Captain Frankin also notices the resuscitation of fishes after being frozen:
"It may be worthy of notice here, that the fish froze as they were taken ont of the neta, and in a shant the became a solid mass of ice, and by a blow or two of the hateluet were easily iplit upen, when the intestines might he removed in one lump. If in this completely frozen state they wer. thased before the fire, they recovered their animation. This was particularly the case with the carp, and we hat nocasion to ohserve it reparatedly, as Dr. Riehardson occupiad himselt in exp nining the structure of the diftionent neecies of fish, and was always, in the winter, moler the necessity of thawing them bofore he conld cat them. We have seen a carp rerover so fir as to leap, about with much vigor after it han been frozen for thirty-six homen."-1'. 243 .

Niy, it may be stated that the same effect is produced on the inseet tribe. It is reported hy Mr. Fillis, that at the Hmkon's Bay factory, a black, frozen mass of a peatlike sulstance being brought before the fire mind thawed, there came from it a clond of living masquetoes. Cipr. tain Buchan ohserved myriads of insects frozen on the sufface of a lake in New fomndland, and imbodied in tho solial ice: the next day, by the powertul rays of the sme, they wro loosemed from durance, became reaminnted, aud took their tlight into the air.

Mr. Hoorl, in his journey, ulso makes an observation of $n$ different kind regarding this most annoying animal.
"We had sometimes breme procured a little rest by clen. ing the tent and burning wood or thishing gnomowder within, the smoke driving the masinetoes into the cramies of the gromml. But this remedy was now ineffectual, though wo cmphoyed it su perse veringly as to hazand suffionation; they swimmed muldr our hamkets, goring us with their comonomed trunks, and streping our chothes in blood. We rose at daylight in a fever, and our misery was umitigated duriug our whole stiy.
dered in"I have with the - less are adds, "if" ist all re-

of of fish.

th froze as te becanne cleet were moved in hey wer. minuritim. 1 wre hal оссирі"..l specices of cessity of we seen a yor :atter it
produced is, that at of a peat1 thawed, es. Cap. en on the, ied in tho of the smin, :minatel,

Iservation $g$ animal.
est by clowwder with. mies of the though wo, rtion; they wir rivent We rosis :at ted during
" The food of the misquetoe is blood, which it can extmact by penetrating the hide of a butlialo; and if it is not disturbed, it gorges itself so as to swell its boly into a thansparent globe. The womd does not swell like that of the Nirion muspuetoe, but it is infinitely more painful; and when multiplied a hundred fohd, and continued for so many succerssivo days, it becomes an evil of such magnitude, that cold, finninis, and every other concomitant of an: inhospitable clinate must yied the pre-eminence to it. It chases the buthato to the plains, irritating him to maduess; and the reindere to the sen-shore, fiom which they do not return till the scomge hats ceaved."-l'. 188, 189.

T'o return to Captain Franklin and his companion Back. A deseription is given of the sledges, the coracles, the suow-shoes, and the clothing of a winter-traveler in this cold and dreary climate, a repetition of which would atford lont little entertaimment to the general reader. Dr. Richardson, in his aecount of the Crees, says that tatfooing is as common anong them as in the Oriental Islands, notwithstimding it is it most painful operation: "a half-breed, whose arm I anputated, declared that tattooing was not only the most prinful operation of the two, but infinitely more difficult to boar, by its tedionsuess, having, in his case, lasted three days." ('uptain Franklin has also some notices of the Crees, but is more particular respecting the Stone Indians, residing near the Company's post of Carlon Honse; "they are more prepassessing," he says, "in their looks, but uddieted to thieving, and grossly and habitually treacherons. The in combenances are allable and pleasing, their ryes large and expressive, nose aquiline, teeth white and resular, the forehead bold, the cheek-hones rather high. Their figure is usually good, above the middle size, with slender but well-proportioned limbs. Their color is a light collprer, and they have a profinsion of very black hair." Back has supplied a very striking portrait. They steal whatever they can, particularly horses, mantaming that they are common property sent by the Amighty for the serieral use of man, and therefore may be taken wherever mot with. This arowed disposition ealls for the strictest vigilame at the several posts.

- Din the atiermon of the ebith of Mard we had tho pleasure of arriving," says C'aptain F'ranklin, "at Fort
('hipewsan, mul thes treminateln a winter's journey of' eisht hombed and tifty-siow miles, in the prextres of which there was a great intermisture of aspeable :and disagrecable ciremintames." 'The hather, he thinks, if balanerid, would propenderate, and that walking in sumeshoes was anmig the most prominem. To the ine eprerieneed, indeed, the sumbering oceasioned by walling in smow-shore appory to be drealful, "and can be bot faintly inmeimed hy a person who thinks unon the inemvenienere of mardhing with a weight of between two and
 cdankes." But Mr. Itoud will best describe it.
"The miseries embured during the firs jommer of this mis ture are su sreat, dhat mothing romblindure the sulfirme to untertake aseromi while muler the inthence of present pain. He lieds his fiame wond dey manemmable prese ure, he drage a falling and stubhorn worght at his fere, and his track is manded with boond. The dazaling seeme ane and
 from his own armizing semsitims. When her rines from
 be the irritation of his somes. But, formataly tion hi.at, an cil makes an impresiom so camesent as pain. It can mot br wholly hamished, mer realled with the firee of reality, by any at of the mind, rither to atleet our detorminations, or 10 sympathize with amother. The maveler soon forgets his sutherints, ind at every future journey their recorrence is


Preparations were forthwith to be male at Chipewan for prosereting the main oljeet of the expedition, mind in the cmankation with the primipals of the two great comtenling companies, Fanklin, by his persuasive and comeliating manners, bronght abont a cordial desire on the part of bith to remder mutual nssistance to the forwardiag of that ohject. Hewe, too, in the carly part of Inls. he hat the sinerere gratification of welcoming his long-sparated friomls, Dr. Richardson and Mr. Hoom. who urrived in perlent haith: and he records the zeal and tahems displayed by these two gentemen, and spenhs: in the highest terns of approbution of the mamer in whieh their sewral duties had born diseharged since their separation.

The Chipewyans are the neighboring tribe of the alling in all be but he incom"two and mid swell. it. of this mat-sulli-ror of presinat ible presiis ferit, anl ne ary mand is atternion rises firoll ntu fireliug in hi... in" It call int of realits, rminations, oon forsets currence is dition, anll two greit hasive and desire on to the forly part of roming his Mr. Hood, s the zocil and spuahs nammer in ged since
be of the

Some Indims, with less promising features, hat more homest, rude in their monares, mad extremely superstitions. 'Jheir leatures also are ngainst them: ther have broad faces, projecting cherek-bomes, and wide mostrils, lut wemerally good treth and lime reves they are reservad and seltish; they heg with merensing importunty
 lin, "who either received or bestowed a gitt with such had graco ; they uhnost smateh the thing from you in ono instance, and throw it nt you in the ohlare." Gur travelars fell in with a party of these people in the most forlom condition, having destroyed arery thing they pos-
 taimed hy the proviling sichmess of mosases. hompingrough, und dysentery. "It mpernes," suys lirmilin, - What no urticle is apmed by thase mhmply men when a urar relative dies : their clothes and tents are cut to piecess. their guns broken, and every other weupon rendared useless, if some person do not remose those aricles from their sight." As some reliel, however, to the darker shades of their charncter, instances of theft arre stated to be extremely rane anong them; they also pressess strong ntiection for their children. A curions example of this was mentioned to the party, "and so well authenticated," says Franklin, " that I shall renture to give it in the words of Dr. Richardson's Jommal."

- A young Chipewyan had separated from the rest of his hand for the purpose of trenching haver, when his wite, who was his sole compmion, and in her fist pregnancy, was wized with the pains of habor. Nhe died on the third day after she had given birth to a bey. The husband was inconsolab'e, and vowed in his angnish never to take another woman to wife, lat his grief wats soon in some degree ilbsorbed in anxiety for the fite of his infint son. To preserve its life, he descended to the office of nurse, so degrading in the eyes of a Chipewym, ats partaking of the daties of a woman. He swaddled it in soft moss, ferl it with broth made from the tlesh of the deer, and to still its eries applied it to his breast, praying earmestly to the great Master of Life to assist his endeavors. The firce of the powerful passion hy which he was actuated produced the sime effect in his finse as it has done in some others which are recorded: a How of milk actually took place from his breast. He succeeded in rearing his child, tanght him to be a hunter, and
when he athined the age of manhoor, chose him a wife from the tribe. The otd man kept his vow in mever taking a serond wife himself, lont he delishted in tembing his som's chitdren, and whon his damper-h-law med to intertione, sitying that it was not the oeempation of a man, he was wemt the fo ply, that he hand promised to the ewat Mastor of Life, if hio
 He nsed to montion, tum, ns a certain proof of the appobathon of Providence, that ulthoush her was always ohliged to carry his child on his bark while hunting, yet it mever monsid
 times. Oir infinmat (Mr. Wratzel) added, that he hand witen seron this bulian in his ohd agr, and that his left bremen, ewn then, retained the manam size it had arepured in his oeergation of murse."一1'. 1.57, 158.

Singular as this case may appear, Dr. Richardson is quite correct in stating that there are others on record in which the same crlects precisely were producerl. and among which is that recorded by the Baron von lhamboldt in his South Amorican travels, and which some of the physiologists of that day promonned to be impossible, while they were advaning and defending other stories not less miraculous. It is not sate, in this nge ol ${ }^{\circ}$ wonderfal discoveries, to pronomnce dogmatically what is und what is not possible. Rhysiologists, and physicims, and surgeons may say, as smme have said, that man has not been gifted, as woman is, with lacteons mutriment; but common sense may lead to the presmmption that both, being constituted of the same materials, and supplied with similar glands, may, by some extmordimury circumstance-" the force of powerful passion," as 1 . Richardson observes-produce like eflicts. The opinions of two of the most eminent physiologists may herte be given. Magendie says, "Thongh the secretion of milk seems proper to women ufter parturition, it has been sometimes seen in virgins, and even in man."(Magendie's Physiology.) And Richerand says, "There have bern known men in whom a long-contimed titillation of the breasts had determined so considerable an atflux of the humors, that there oozed from them a whitish, milky, saceharine fluid, not mulike the milk of a wommn."-(Richemand's I'hysiolos!y.) I'o say that a thing is impossible is a very casy, but not a comvin-
ring way of settling a disputed question. Whensitrphenson constructed the tirst milrond hetwern Limerpool mell Wanchostor, heire twonty yedrs ago. and asserted that its spered would excoed sixtoen miles un hour, it was lamghed at by a grent lawyer (a sedior wranglor), rmployed agmonst the bill, who asserted degmatically that such a sperd was imposible: hat stephemson, sommehat nettled, called ont, " lastead at sisteron, I com make it sixty, if neressary." Fivery impodiment was thown in the way of establishing a distant electrical tel("mph : but the comfidence which a fiew had in Protios. or Wheatstone cmoried the perint, and a commmaicution cim now be held with Poitsmoul from Landon (with their two distunt tormini, event in a very tew mimutesa single signal in halt a secomil: in fact, clectricity regards neither time nor spare. How mmy impossibililirs would ordinary people meet with in the agencies of which may mhost he looked on as the lite und sonl of har materind of our world, daily manitisting the troth that " we are yet only on the the eshod of discovery"Sir I mmphrey Davys words, uttered but a short timo before his death.
'To retum, after this digression, to omr voyagers. As soon as the number of people to be ampleyed was combpleted, consisting of sistern Canadim voragers, their Finglish attendant, John Hepbom, two interproters, to be rereived at the (ireat Shave Lake, and one Chiperyant woman, and their provisions shippor, they all amhamed on the 18th of July, in high glere, and the crews wit the three canoes commenced a lively pudding song on leaving the shore, which was continued till ont of sight al the house. On the Sth they reached Moose-deer I sland, a post of the Northwest Company, and engaged liome St. Germain as interpretre for the Copper lndians. On the 28 th they arrived at Fort Providence, sithated on the northeastern side of Great Shave Sake. They fond here Mr. Wentzolmud the second interpretar, Jean Baptiste Arlam. The duties alloted to the firmer were the management of the Indians, the superintendence of the C'andian voyagers, the obtaining and distributing provisions and other stores, ull of which ho
was well qualitied to perform, having beron twenty years in the comutry. Here, tow, they ware whited on by the rhief of the ladians, mmod Akatelow. Ite mathe $n$ sporeh, purporting that he rejoiced to see such stomt chicfis on his land; that his trihe was poor, but they loved white men, who had been their benefactors: smid Loe would attend them to the and of their jommey, mul would do all he cond to provide them with the monas "fl subsistronce. Frmaklin, of course, mado a suitable nc-


On the :d of Xugust they lelt fort Providence, on lhoir way to the Copper Mino River, the party consisting of six Englishmen, six Cmandim soyngers, mal there, intorpreters, to whicli wero added Akiteho mad his ladans. 'The detuits of the journey as fin as Font Entorpise, on the bunks of W'intre Lake, the difficulties thit exemred in the magation of the mombrons rivers and lathes, and the erossing of portages, could give little or mo information of interest to the generne remder, and shall therefore be omitted. Suffice it to shy, that atter mumerons dificulties, experienced from scarcity of prowisions for the party that attonded them, inpediments of matigntion, and the severe labor of the firequent portages. they were ghal to arrive, on the ?oth of Angust, utier a slow and tedions progress, it the spet where it was decided to winter, mad which was distant about biso miles from Chipewym. Captain Fromklinstates their journey brielly thus:

- The comuted length of the portares we had crossed since loaving fort frovidence is twenty-one statute miles mal at half; and as our men had to traverse each portage four timewith a load of 180 permens, and return three times light, they walked in the whale upwarl of ane hundred and tifty miles. The total length of our vogage from Chipewym is five hondred and fifty-three miles. In the aftermon (he noys) we read divine sorvier, and oftered our thankgeving to the Almighty for his goonduess in having brought us thas fin on our joumey; a duty which we never neglected, when stationary, on the sablonth."

Before the termination of the last journey, however, the Cmadian royngers becamo discontented. and threntaned not to proceed forward unless more food was given to them; and Franklin, after uddressing them in the oli ly the" mailr $n$ whll wreat bint they tors; smil mey, moll ho monulas ituble nodence, int y consistand thron, ad his Inint Entror ultic:s that rivers and little or ma and shall niter muof proviiments of portuges, ist, alter a it was dr50, 0 mildx ir journey ossed sinco nikes ambl a - fienr tim: bight, they fifty miles. is five hom(0) Nilys) we to the Als fill on ont L stationary, and threntl was given em in tho
strongest mamer on the danger of imsubmelimation, and his depromimation to iallict the heavirot pmashanent on any who shomble rulase to procered, ablmits that thoir hatdships were of a kiant that few womblapport without murmuring. aml mone conld withess withat a sincore pity tio their sutherings. Relief, howeror, was at hand hy the arrival of some bunters with the cameasises of mintlear.
()n arriving at their dostination, the Canatians set cordially about the reretion of a honse lio thatio winter guaters, to which was given the mane of fort Einterprise, a nimme that, in roferenme to futhre ments, might with great mad theporable propriaty be changed to that of the " Ihomse of Misery, Lammatation, mat Were." The nuxioty telt by frmmine of getting on to the mothwarl, motwithstandag the opinion of all that the latemess of the sasan umb the probable want of provisions would moke such an attempt inexperiont, and Akaitcho having positively refisod to lot his Imdinus proverod, Frmblin remonstrated with this chief: and, continning to press the matter, he answered with smo warmeli:
$\because$ Wrill. I have said evory thing I tam urge to dissumb, yon from going on this survice, on whirh it seems yon wish in sacritice gon own lives, as wall as the Imbians who might attend von: however, if, ather all I have said, you are dearmine it to su, some of my yomg men alath join the parts, beremse it shall mot be satid that we permitiol yon to die alone attor havine brousht yom hither ; but, from the moment they embark in the vanems, I and my relations shall lament them as iloale"-P. ais.

This speerh of the chief dind not fail to make an impression on limmklin, who, atter commmenting to his afferers what had passed, it was agreod by all that a paty shonld be sent finward ming fin the pupose of ascrettining the distane and size of the Coppor Mino River: mod the two youngsters, Back and Inoml, wern dispatehed on that service in a light canoe, having with them the interproter. St. Germain, eight Canadians, und one Indian. Franklin, however, at all times omwilling to impose a task on others of which he din not take a share himself, suys that Dr. Richardson and he determined on making a pedestrian excursion to the Copper Mine River, leaving Mr. Wratzel to superintend tho X:






"I was murl| phased (sitys Fraklin) with the abla manwre it which thene atheres rexembed the servier ther hat





 1-:
 fort, it was stathe by the wintering pary at form lin-
 they hand. mad wore lihely the whain, womld not smitiore
 that the ammonition and rlothing hand met come mitiom
 artivity her wheh her had partionlant distinguishod hime





 tion Providrace in the month of berember, aceonpaniod by wo kspumams interperors, whon they fomed at Fon Prowidnare, where hoy had arried lion the:
 momberahle names wrer mow comberad into those af

 regnimed his יxation. prorerded to Chipew yan.

Some teats of the hodian ehametre are given in tho raport al his lone mad perilons jommer and at the romduel of the hadmas, whid doserer to he here noticed. A simgle instamer may be suticient to vamp their char-
 mahing a hote in the ice. which she gave to ns: the la-

明 N•品 rind roll． wh wrome rixill on ：ick ：mill
ble math howe haid onni hom xtrello－ly IICortillis －buil th．＂ ill Ihoir coll．＂－

利 1011110 ：ort Kin－ rovisions 1 suliter Mast，and u！from $\%$ वi innl hord him－ （）ctobrer． inns： nuld 1．if mere－ ＂ryinern if，ill los wturned ו＇complia－ $\because$ fimind firinn the
 thuse ol l litilo of len duty thr reme noticorl． rir char－ pikis ly ：H1．ll．
 （is we miterward lemolod）that wo shombl mot have

 their wives complainet of ilhases and wall of rest，whirh
 quits．＂It was a satistartion lo mur．＂ha says．＂10 be－


 Whlons lomel cron in the more rivilizen purts of the worll：mat the attention and nifortion which they mant

 th berome the appohation of the most imblimerot oh－ ＊ever．＂Another instance，while it romerys sombe inden of the privation to which the party ware expesel with resam for fond，shows the thesire of the ladians，in the
 of the strimgres．
 af stme：wore serabed from the rowk（tripe de rorker），that


 the women hmily rmphoved remping inl ohl skin，with the，



 thought at ereat luxury ather there dass privation in these

 ande withont smathamer mit we readiod the tints．＂ 1 ． $\because 33$.

Back，in this dromdtal jomrnoy，was not only exposid 10 starvation and the extremity ul coll，but also to the

 Lahe he tell themsh the ire．but reverped without in－ jury：an atmother orrasion the ire lant so that it me－ guired the atmost spord to mond balline thromel：where 1t gat way as it somes to hand dane at evory stop ho





 scone of monly fire mondse, daring which time I hat tmarlod 110.4 iniles on smow-shores, and haid mo whor cownitug nt night. in the wool than a hlamhet and derer shin, with the thomomerer fremently at - 10 , aml

 "I had cerer rasom to he murls plessed with his comidurt ont this arfuons molloptahing."

W'ith resurd to the tomprombe of the wintor, it wis mot improwel by the more mothern sithation of fort
 of " smow-house, Hhat her was moployed in the bulding of omb. which he did after a vory sperdy and elower "perations. and u' which ("iptain framblin has given a


 rial af whirl the homse wis frmed. the ele emmer of its comstruetiom, all the trasparemey of its walls, which




 Likn many of the (imeman tomplas, they tow are covered lyy domos, buils on the prine iphe of all arrh, which is
 Framed displisitions ant the arisin of the arelt, which somb sily was rophed from hathos: tho peor isolated

 sult. in which, with thoir awo ingombty, as wo have

 severit! if the rolly. which is met more intense than Rank ixperiament:
ans, collHor, H1me ther sum! rrived : platalime r : ill : in III | land nor ollar anid dom [11), :11ni ar ther hlin s:1y, his roinar, it was of For - wamolh - buildine ill rlower givell: ind luth. mot homo hir matrlier al its Is. which peramone 11 shluor ad by the Phidias: r himbs." 10 comorom which is ad 1mm! h, whirlo - isulatrod (1) 10 III! y to collwo have icient. nt in tho mase lhath
"Ther weather daring this month wat the coldent we ax





 paramions, sat withont firling any hat efferts. Ther haid
 and limed aips ; but mone of them nsed any defonse for the

 lualy dhring strong bromess and most of mhen who hato

 be at shom of wind. The interne rolds were, howerer,

 turat. Sume of the inses were brokell daily, and by the riml of the month we had only one left that was fit fior fiellime tres. By intrusting it mily to onn of the party who hand
 it was firtmately preserved mat the arrival of our men with ohnors from Font providener.
"I theromemerer, hang in omr bedreem at the distanco of sixtern fert from the fire, but expesed to ite dirert ratiation.
 and was charewe mere than mere. perions to the kimiling


 Ridhardsen's pillows, stopped while they were dressing them-


In one of the fintilies that frequented the honse was a goot-hobines girl, coneroming whom Cuptain Franklin Lives the lollowing moerlote:
"1 may permark, that the danghter, whem we dosignated
 to he a grat hanty. Mr. Howd drow an acemate pertait of har, nthonsh her mothor wist averse fiom her sitting for it. She was atiaid, she sais, that her danghters liknoms





probably haw laron the wife of mane more, if her monher

 his wintrés nhode in the Aretir regoms, li:e the :mmse-

 during the dreary monthe they wore shan up in from

 were ut ous lase: they were engened in writing ont their

























 wore all Roman (atherliss, mal Int little acpmanted with thio lamenage in which the pateres were reat. I menefted mond






 ｜＇ary 11 alllis：－ HIW！｜い ressiary in firil 111，＂spa＂ いいけいい。 （11）thoir inns，：111｜ IIrs．ís． ir draw． ，insl lor－ in．lint litills lho
 ，：1111 theli （11）：1 lill．＂ ：は！＂110ッ11 if lı mi－ alt lirs1 lo． 110 1111 1141 land dlall ＇all in lhis －（114 い いい $\Rightarrow$ 11： $13: 1015$ Richatif．
 li，hintor It －＇0， ｜h！woirl 11 lla！1laty l $10: 31: 11111 \%$ ． （＇：Mntidlams
 I Winh llio tred mand

 catt．barionl Hon11．loul 11．ぶumli！ 10：110：－1 115 ！partul。





 Which the loy was loniline．Such arre our simple domestice



 tr－ainh of the lomer mights．Bir．liack gives，in the mar－ rative al his jondory，the following extandinary ne－



 tho eormsentions of tho marom wores savid and low，
 and reying，faraing lhoy shomld ho hillod：he himiselt

 narlh，Hitting along with incrodihlo swilaness，and mos－



 witl litile wind．＂
（＇aphan Framblin，D）r．Rielmadsom，ast Mr．Jand Wror mose attontive obsorvers ot the atroras．（＇uptain











 belwown the clowls and the einth；lon it was also ascer－
thined that the height of the aurora, instead of boing, as supposed by Mr. Daltom and others, beromd the remint of the atmosphere, is usually not more than six or seven miles from the rarth. "We have sometimes sarou," Mr. Hood says, "Hu attemuated anora thashing across a hundred degrees of the shy in a single secomd: a quichness of motion ineomsistent with the heright of sisty ur seventy miles, the least which has hitherto been ascribult to it."

On the 1st of Janumy, 18:1, the usual festivities of the new yeal were hadd. The only treat the people cond recoive was a litte flom and liat, both luxuries; but the fenst hanguished for want of spirits. 'The whole month was coll and foggy, yet the ladians dechared it was the warmest they had hown; the thermometer, however, toward the latter part, descended to $49^{\circ}$, and the moim temperature of the month was $155^{\circ}(f$. Ont the lith large supplies were received from Fort Providenco, and the people had their ration of spirits served out to theme.
'Toward the omd of March two ladians arrived froms The lIook, a chinf next to Ahaitcho in anthority among the ('opper ladians: his hand were stationed betwern the Marten and Cirent Bear Lahes; they bronght ofliote from him to supply dried meat on the banks of the (inpper Mino River, in return for goods and mommations. The ofler was declined, but they were desired to trll him that notes on the Northerest (ompanyes post womb be given for either provisions or leather when they mot. Even ut this period, fimbilin snys, "the humters semt Is mosupplies; one net protuced very fiew fish, and the pounded ment intemded to kerp for stmmer wse wha nearly expernded. Gne meals at this period were always scanty, and wo were ocensionally restricted to onn in the day."

But thi Indinn families which congregated about the homse, comsisting principully of women and chidren, suffered the most.
 where they were mone cortain of rewiving suphes; but is
 the hense, where they daity reminal medicumes from the
 montw of a hamtingeranp 'They chared away the smow on
of bring. as I the rewinn dix or seron mes scroll." ing ncloss at dl: a guichof sixty ${ }^{\circ}$ en ascribu!
ivities of the sople combld es; but the hole momith 1 it was the r, however, d the mean In the lont vidroneo, mul out to them mived from ority annon! ed belwern ought offirer of the (in)unnmmition. fired to tell - post womh a they mor. unters semt ish, and the ele use wan nl were nteted to one

1 nhoritt the nildren, sut-
ullo's londsu.小ins; lmut: : likr 10 ynii $\therefore$ frombl Ir the mave... he snow on
 fien, bite of hide, and other oblal. When we beheld thrm gatwing the pieces of hide, and ponating the bones for the purpose of extracting ame neminhanent from them hy bailm, we regretted our imbility tu reliese them, but litto themeth that we shomblemselves be afterward driven th the neresity of cagerly collorting these sume bones a secomd time from the dnughill."-1' $8: 98$.

The weather in May becme warm, and the appronch of spring was agrecably contimed by the aradual appramace of varions kinds of birds and of reimdeer. 'The aspage temperature for the month was nhout $3: 0^{\circ}$, the arratest hent $68^{\circ}$, and the lowest $18^{\circ}$; at the and of the munth the sme did not set. Preparntions were now midn for the long journey down the Copler Mine Rivar to the const of the Polar Sora, mad ulong it to the eastward. 'The first party started on the 4 th of Jome, muder the charge of Dr. Richardson, consisting of twen-ty-three persons, excln ive of chidren. Among them were fiftern Camodian vi yagers. A promise was mate ly Akitcho, in prosence of Mr. Wenter and the ladians, that a deposit of provisions should be made at this phace, Fort Enterprise, previons to next September. as a resource should the party return by this way ; and Wroutzel undertook to see this done.

On the lth of lune, all being completed, ('aptain Framkin set ofl with three cmoos, dragged ly fomr men rach, and two dogs. The stores, the instruments, and the small stock of dried ment, mounting only to eighty pomods, were distributed equally among Hephorn, three Camodians, and the two Esquimaux, Jmius and Augnslins. All the party set out on foot. On crossing a small lake, Franklin fell in through the ice, and soon after Back did the smme, and Jumins ulso, with a heavy burden on his back, but nome of them were hart. It was not till the © 2 st that Franklin's party joined Dr. Richardson at Point Lake. 'To ease the men who had carrind the cmoses, the third canoe was left here, as by doing this three men were ganed to assist those who had berome lame.

It were tedious, and not very interesting, to repeat: the details of the jourmer ower lakes, down rapids and catimacts, wer poragrs, and across a hitly country,
dreadfully futiguing to the men, or to relate the alternatu. succerses und disuppointments of the hombers. It is enough to suy that on the 30th of dme they embarhed on the Copier Mine River, which, at a point called Rosh-nest, is stated to be about two homdred yards wide, ton fowl derp, mad to dow very mpinlly over a rochy bottom: its banks pieturesque, tho hills shelving to the wat ter side, well covered with wood, and the surface of the rochs richly elothed with lichons. Mnsk-uxen were here very plentifal mear the river, and in ull this part of the eommery amb, like the buthab, herd logethere in bands, so that ome day the hanters killed dight cows. It, is satid that whon two or thee mon set so near a herd as 10 fire at them from diflerent points, instead of seprarating of romang away, these mimals haddle closer logether, and several are gemerally hilled; but if the womme be not montal, they become enraged, and dart in tho most furions mamer at the hanters, who mast be very dexterons to evald them.

On the ath of July they arived at The Mook's rncampment, the Indian chice before montioned, whe was particulaty cevil, mad said, "The amomet of meat I hawe is very small, but I will chorerlinly give you what I have; wo ure too murh imbebted to the white people to allow therm to wat food on our lands while we have my to give them:" and he promised to remain on the side of the Bear Lahe, which is near to the Copror Mine River, till the month of November, and to fumish the pmity with supplies on their retmon. Ilo too, as well as all the hadians, eamestly entreated the travelars to be comstmaty on their gund agunst the treachory of the Espuinums.

They wero now appraching the ('opper Momatans, their cucampment being in lat. $150^{\circ} 1^{\prime} 10^{\prime \prime}$, long. $116{ }^{\prime}$
 dip of the medte ris $31^{\prime} 1 r^{\prime \prime \prime}$. From hemer they visitad the Copper Momatains in seareh of spectmens of tho ore, ugrorably, us framhlin surs, with his instructions: the party consisting of twenty-omo presons, vyagers and Indians, ineludfing the oftheres.
"Wh trasplod for nine hones were a comsinderable spare of gromal, lan fomel only a fow small pheers of mative ropper. The momatams varied in heytht fom $1: 00$ to 1.500 feet ; their emburkect wint callect murls widn, rochy bout to the waface of the xen wre his part of gether in cows. It car a herid a of sipan: closer $14-$ the womil lint in thes ist be very

Itok's 'm1, who was neit I have tut I have; ole to allluw (101) tugive intho of the ine Risur, barty with all the lucomstimuly squimanx. lomutains, (ong. 116 , "4:3", : they visitcus of the tructions: voyagers
> as spact of wry. feet; their
muiformity is interruphed ly narrow salless traversed ley
 were atheng the stomes in these villices, and it was in such
 It womk alpyerar, that whon the Indians see inty spary sub-

 mertal in its original monsitury. Our guides remorod hat they hand fimul copprer in liry pheres in arery part of this range for two days' walk to the "urthwest, and hat the E.sguimanx come hither the search for it. The mumal visits which the Comprer Imbians ware accuntemned to make to thesto
 made of copper, have beon diseontinued sime they have

 their hmuting-qumuils."*-P'.310.

They now descembed to that part of the river momed hy Hearme the Bloonly Fall. This rapid is described as as surt of sholving cascude, about three hmmed yards in hungth, husing a deseent of from ten to filteen feet, and humbed on each side by high walls of red smulstome, umen which rests a series of lolty green hills. Here they caught forty exerllent salmon and white fish, in a single net, bolow the rupid. No trees had beron seem in this day's jomrney: but the ground is well clothed with Erass, ind nomisises most of the slarubs and berry-hemring phants that were nut with north of Fort Enterprise.

Aiter much disenssion, and grad apprehension on the, part of the hulians mod voyages, regarding the hostility of the Escquiname, in ordor to allay their tears. Jmins and Angustus were sent on to have a commmication with them; a wry small party were fallen in with at the, rapid described by Hmbue, their nsual resort; they fund them to be mild, peaceable creatures, mand but tow glad to teo on terms of frimdship with the lulians. They consisted only of four men mid as many women, who at might disappenred, having seroll it is supposed, some of Akaitehos' Indians, who had mautherizedly followed, contrary to their chief"s promise, and shown themsiselves on the hills. It was at this place where Habrue doseribes the drealfint massacre of the Eisqumans by the

[^19]Chipewyum Indinus, and therefore mined it the "Bloody Full." Gu limaklin and the purty approarching it mif cocomping, nine Fixgumanx appented on the oplonit. hamk of the river, carrying thoir canoes on their bands: hut they thed on seesing the tents. Not mbly were these peoplo alarmed, but the Indians also were so tervition that they insisted on retmoning the next day: nom could Frambin provil on two hmers to remmin with him. 'The reduced pury, however, procerded, and on the $1 \times$ th of Inly reached the saneenast at the month of the ('onper Mine River, it being only nine miles from the Bloomb Frall. The C:matian voyagers were anmsed with thoir tirst view of the sem, and the sembs swimming abont, but som gave way to despondency; they were territied at the idha of a voyuge through in icy sea in bark comoes. Hophomis remarks, however, mud the why in which he hold up to them the delights of his accustomed elenmen. made them ashaned of their fears. The pmery who proceoded amomated to twenty persons. The traveling dismane from Fort Enterprise to the month of the river is said to be alonat three handred and thirty-four milos. The canoes mad baggage wore dragred over show and ier for one hundred and seventeen miles of this distimee. 'They encmmed at ten on the western hma, at its jumtion with the sea. 'The river is here abont a mile wide. tant vary shallow. High and mamerous ishands to semward till the horizon in several points of the compass : the water was decidedly salt, und Franklin thimhs that. Hearne eombld have tasted it only at the mouth of the river, as ho promonced it merely brackish.

The embarcation in two birch-lonk canoes for a maviwntion along the southem const of the Polar sea to thes eastward, and the commencement of the voyuge, took place or the 21 st of July, their dried meat and other provisions monouting only to fifteon days' consumption. They paddled all day aloug the const, within a crowded range of islands, with very little ice: the const covered with vegetation; the ishands rocky mad baren; abundmace of drift-wood; and as none comes down the Conper Mine River, nor down miny other, except Machen\%io's River, it was inferred that an ensterly current grevailed. 'The least depth of water, after two diys' sail-
＂Bhoenty ing it anil －O！poxit• cir hatcho： －rothers： ，territhoil Hor coull with him． uthe lath the C＇口⿰丿⿱丄𠃍⿴囗⿱一一 te Bloorly with thoir abont．lont erritiod at th chators． which ha 1 clement， whepro－ veliug dis－ le river is one miles． smow and ；distance． 1 its jume－ nile wide． Is to sen－ compluss： rinks thitt． the of the
ir a navi－ ea to tho age，took ther pro－ ＂umption． crowded covered ；ubund－ the Cops－ Machen－ rent pre－ ＇ys＇sail－
ing．was six fithoms，and my ship might pass safoly br－ weren the ishands and the main．Alter a run of thity－ serom miles．they encamped；the const well covered with vegration of modernte height，and rasy of appromeh． ＇To two gromps of islands the mames of Rerons und Sir （irahan Moore were given．Sume mosele－shells wore soen here，the only shells met with on the whole comst． Th the $3: l^{\prime}$ the shore beemme excedingly roeky and stre－ ibr，conding in a strep projorting promontory margined with ice．Another eromp of ishmels was maned Lawforl．

On the eshd and ：ith，nothing matrorial：a deer was killod；the enrent was roming to the eastward at the rate of two miles min hom．

Sth．＇Thumder and rain during the night；the nets anpplied only threr salmon－tront．Fin the last two days the tide rose and fell about nine inches．
shith．A dreary const；ricmuped inamindet，into which murh iore had drified，and ome ot the ramoes got enchosed in it．＂＇That mone of this ier survives the summer was erident liom the mpidity of its decons，und becanse mo ire of hast yemes formation was haging on the rocks．＂ Wrantion Hathor is stated to be a secure allehomge， sheltered from every wind，but it does not nppear to be noticed on the rhart．
arth．Diseovered．to their great mortification，that two bugs of prommima had become moldy；that the boref was scarcely eatable：but it was not so much the fuality as the dimination that was the canse of measi－ mess．A small win of galem was discovered traversing suriss rocks，but they had mo memse of smelting it for halls．The next lay they ecossed the month of a bay fill－ ad with iere，and oin the

Both，Another hay，which they maned Aretic Somme， with a river at the bottom of it，Io whirh Framking gave the name of Ifood ，＂as a small tribute to the memory of our lamented frimed and rompanion．＂＇Their provi－ sion hoing now reduced to eight diys＇consumption，it be－ canne urorsary to seek a supply．The hanters were thereforer sent on shome．

Angenst lst．The hunters returned with two small derernd a brown bein．＇They were now，and，in point of fitct，hat been some time，eonsting and landing on the $1 \% ~ 广:$


> IMAGE EVALUATION TEST TARGET (MT-3)


Photographic Sciences
Corporation


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shore of a very wide and deep gulf, with numerous inlets issuing in various directions, with creeks and rivers brumeling out firom and others rumning into them. In the present situation of the party, living from hand to mouth, and withont my certainty of a supply, nothing more than an outline could be taken of these inlets, from twenty to sixty miles deep; but, pains appear to have beon bestowed by Franklin, Back, and Hood to make thom as correct as time would allow. One of these unmerous branches was named Melville, and is stated to be thirty miles from east to west, and twenty from nortlo th south; and Bathurst's Inlet is not less than sevonty miles long. These, however, as occasional receptacles of ice, are not to bo considered as refuge harbors for ships.

Having surrounded this gulf, called Coronation Gulf on the chart, Franklin, Richardson, and Back walked along the southern coast of the Pohar Sea ten miles, and finding its trending to bo still to the east, they named the spot Point Turn-again, being well satisfied that it was more than probable this point would prove the termination of the voyage. "It was evident," says Franklin, "that the time spent in exploring the Aretic and Melville Sounds, and Bathurst's Inlet (all branchiag out of and a portion of the great gulf), had prochuded the hope of reaching Repulse Bay, which at the outset of the voyage we had fondly cherished; und it was equally obvions that, as our distance from my of the trading establishmonts would increase as we proceeded, the hazarilous traverse across the barren grounds which we should have to make, if compelled to abandon the canoes upon any part of the coast, wonld become greater." But the greatest hazard of all, and it was wofully experienced, was the miserable pittance of provisions remaining.

Muny circumstances concurred to convince the party that farther exploration would be vain, one of the camees being already rendered useless, and the second nearly as bad; the quantity of pemmican was reduced to three days' consumption, and apprehensions for their safety had soriously possessed the minds of the voyagers min interpreters. A violent storm and its eflect on the sea did not increase their desire of remaining longer.

## FRANKLIN AND RICHARDSOND JOURNEY. $\mathbf{2 5 0}$

"Though it will uppear from the chart," says Framlin, "that the position of Point 'Turn-again is only six degrees and a half to the east of the mouth of the Copper Nine River, we sailed, in tracing the derply-indented coasi, five hondred and filty-five geographical miles, which is little less than the direct distance between the Copper Mino ! Siver and Repulse Bay, supposing the latter to be in the longitude assigned to it by Middleton."
( aptain Framkin mentions that Aretic Sound appeared the most convenient, and, perlaps, the best place for ships to ancher that he had seen along the coast, at this spasin especially, when thry might incrase their storis of provision if supplied with good marksmen. Deer aro mumerous in its viemity : mnsk-oxea also may be found ul I Iood's River, and the fine, sumdy botom of the bass fromises favorably for fishing with the sein. The hills on the westem side are even in their outline, and slope gralually to the wateres edge.

Frankin farther says that the portion of the sea over which he had passed is navigable for vessels of any size. The ice ho met, particularly after lowing Detention llarbor, would not have arrested a strong boat. 'The chain of islands affords shelter from all heavy seas, an 1 there are good harbors at comenient distances. It is to be hoped, however, that ('aptain Framhlin, on his presrent voyage, may not be driven to seek shelter, with the Erebms and Terror, in any part of the southern eoast of the Polar Sea.

The norangement made for returning by the way he had come Captain Franklin now perceived would not be advisable. The country between ('ape Barrow and Copper Mino River would not supply their wants; the canoes were unfit to encomater the sea; the bad season was rapidly advancing, when heavy gales were to be expected. "I determined, therefore," he says, "to make at once for Arctic Sound, where game had heen found more plentiful than in any other place; and entering Hood's River, to bdvance up it as far as navignble, mid then to construct small camoes ont of the materials of tho larger and damaged ones, which could be cartied, in crossing the haren gromuls, to Fort Finterprise." They had wetore them a chilling prospect on tinding, on tho

Soth of this month, the pools of water frozen over, the gromud coverod with sum, and the thermometer duwn to the freering-point at midday. The homoters went out, lat satw mo mimals. "We made a scanty meal aft a handful of pemmiran, after which only a haif a bigg remained."

Bad as the canoes had become, and boistroms as the wather was, these whagers eontrived to paddle acrose the arms of lakes and inkets within the great gulf; but there was no game to be had; the berries, however. were ripe and plentitul: and, with the addition of some combtry tra (Lalum palustre), furnishod a smpper. Lasing reosed the eastern entrance of Bathorst's lolot to an ishand, the dear were fomad to be plontiful, mid two were killecl. 'The wind changed to a guather which enablad the party to steer for Hood's River, from the momth of which they ascemded as high as the first rapid. and ebermperk. 'This was on the g(ith of Angust; "and here," says Framklin, "terminated our vogage on the Arrtic Sea, during which we had gone over six humdren and tilty geographical miles." "(Onr Camadian wovagress," he adds, "could not restrain their joy at having torned their backs on the seat, and they spent the evening in talking over their past adventures, with monch hmmon and no little exnergation. It is due to their character to mention that they displayed much commane in encomotering the dangers of the sea, magnified to them by their novelty."

At a few miles up IIood's River, it runo for abont a milr through a marow chasm, the walls of which are upwad of two hamdred teet in height, and yuite perpendienlar. 'Throtug this chasm the river precipitates itself in two magnitionent fills, close to each other. Framhlin named these cascades "Wilhertoreo Falls," as a tribute of his respect for that distinguished Christian phihathoropist. The large canoes not being suited to this river, two smuller ones were constructed ont of their matterials, each sufficient to contuin three persoms, to bo used for the purpose of crossing any river that might obstrmet their prosress.
'The constrution of the new canoes detained them till the lst of September when it was decided to make
over, the cter down ters went anty moal hailf a bugy
gus as the lde across gulf: but howerer, of of some per. Hart's lulet to il, and two which rilthe month rapid, and nst ; " and lye on the ix hundred dian voya$y$ at haviug the even1 much hutheir charcomrage in ed to them
for about at which are quite perprecipititus er. Framh$\therefore "$ as a tribristian phiited to this out of their reons, to bo at might obained them led to make
a direet line to Poin: Lahe, distant only 149 miles in a staight line from where they wore Maving proceded twelve miles, a suow-storm obliged them to encamp, and on the 3 the las piece of permmican and a littlo arowroot were distributed for supper. The violence of tho stom rontmued till the 7 th : and for seremb days having nothing to eat, and no me ans of making a tire. they remained whole ders in bed. Tho wind contimed so strong mad the wo ${ }^{\text {ander }}$ so severe, that there was no chane of getting on. A temperature of 20 , withont tire, the party wak from fasting, their gaments stifrned by frost, and the gromed covered with ice and soow, rembered their condition very untit for traveling in such a comntry. On trying to proced, Iranklin was seized with a fituting-fit, in consequence of exhanstion and sumbden exposme to the wind, but on eating n morsel of portable sonp he recovered. "I was mwilling," says this have fellow, "at first to take this morsel of soup, which was diminishing the smali and only remaining meal for the party, but several of the men unged me to it with much kinfluess." The canoe-cambers were frequently blown down, and one of these machimes was broken to pirces, which, however, was turned to the best account, hy making a fire of it to cook the remmant of portable somp and arrow-root: a scanty meal atow three days fisting, but it served to allay the pangs of hunger.

The next two days the surface of the barren esomads was covered with large stones, bearing a lichen which the Canadians call tripe de roche, or rock-tripe, a substamee to which the present travelers may be said to owo their satety and existence; without it they most have died of starvation. By botanists this plant is called Gycophora, from its circular form, mat the smrace of tho Iral being maked with curved lines, and of which Dr. Richardson has described and engraved four species, with this observation: "We used all four as articles of food; but, not having the means of extracting the bitter prineiple from them, they proved nanseons to all, and noxions to several of tho party, producing severe bowed complaints." This, with half a partridge to euch, furnished their supper.

On the oth the passage of a river was effected by
means of a range of large rocks at the foot of a rapid. The people who earried heavy burdens mostly slipmed into the stream, and were drenched from hend to foot; and all being wet to the midde, and the thermometer nt $1 \tau^{\circ}$, their clothes became stiff with the frost, disabling them from walking without much pain.

On the 10th they came upon a herd of musk-oxen, of which the hunters killed one of the largest, a cow, which infused spirit into the starving party. "This," says Framkin, "was the sixth day since we had enjoyed a good meal; the tripe de roche, even where we got enough, only serving to allay the pangs of hunger for a short time."

On the 12th the severity of the weather abated, so as to allow them to go forward, but the whole party complained of faintuess, and of more weakness thun they had ever before done. Their supper consisted of a single partridge, accompanied with some rock-tripe, which afforded little relief, and the lutter ind become quite nauscous to all, and in several produced bowel comphaints, to Mr. Hood in particular. It was now obvious that the whole party were getting weaker every day. It was diseovered also that some of them had thrown awny the fishing-nets and burned the flonts, depriving them, by this thoughtless act, of the means of chtaining a supply of fish, which might be expected while consting the margins of the several lakes they would have to pass.

On the morning of the 14 th, while the officers wers assembled round a small fire, Perrault, one of the voyagers, presented ench of them with a small piece of meat, which he had saved from his allowance. "It was received," says Franklin, " with great thankfulness, and such an act of self-denial and kindness, being totally unexpected in o Canadian vovager, filled our eyes with tears." On the same day, Franklin, St. German, and Branger embarked in the remaining emoe to cross 1 river, and when in the midst of it, the current and a strong breeze drove the canoe to the very brink of a tremendous rapid, of which a most frightful account is given: Belanger, unluckily, applied his paddle to avert the dinger of being forced down the rapid; he lost his balance, the canoc orerset in the midst of the rapid, but
of a rapid. stly slipund end to foot; mometer ut st, disabling
isk-oxen, of cow, which This," says 1 enjoyed a got enough, for a short
bated, so as party comthan they ed of a sithripe, which come quito complaints, ous that the ay. It was on away the g them, by ng a supply ng the marpass.
fficers wers of the voyat ce of meat, - It was refulness, and y totally wieyes with ermain, and o to cross a rrent and a ink of $a$ treaccount is dle to nyert ; he lost his te rapid, but
the party kept hold of it till it came in contact with a rock, on which she water was not higher than their waists. Belanger romained on the rock; the other two, on the third uttempe, got to the shore. After many fruitless attempts, it small line was thrown to Belanger, and ho was dragued throngh the rapid in a perfectly senseless state, from which, hy tue attention of Dr. Richardson, he was, ufter a long time, recovered. By this accident Frakilin lost his portfolio, containing his journal and observations from Fort Enterprise ; but the less, he says, was well supplied by his companions, Richardson, Back, and Hood.

On the 16th and 17th, by passing over a rugged country, their toil and suffering were greatly increased; on the latter day they had no breakfast, and but a scamty supper, yet Framklin says they allayed the pangs of lingger by pieces of singed hide nud a little tripe de roche. "These would have satisfied us in ordinary times, hat we were now almost exhansted by slender fare and travel, and our appetites had become ravenous. We looked, however, with humble confidence to the Great Author and Giver of all good, for a continuance of the support which had hitherto been always supplied to us at our greatest need."

On the 18 th, Franklin says, "the want of tripe de roche caused us to go supperless to bed." The next day they came to a spot where there was some of that wred, which they collected, and breakfasted on. Mr. Hood was now so feeble that Dr. Richardson walked with him at a gentle pace in the rear of the party. "In the evening," says Frankin, "wo had a small quantity of the tripe, and the rest of our supper was made $u_{i}$ of scaips of roasted leather ;" and he udds, "previois to sotting out, the whole party ate the remains of their old shoes, and whatever scraps of leather they had, to strengthen their stomachs for the fatigue of the day's journey."

The 19th supplied them only with Icelend moss, briled for their supper, which, not being soaked, proved too litter to be taken in more than a few spoonfuls; no rock-tripe was to be found. On this day one of the renewed canoes was broken by the fall of the person
who had it in charge. For several days after this their progress was slow, over a hilly comitry, und the men bergme impatient, and so indifierent, that the two who had the charge of the on'y remaining canoe lett it hrhind, mging ma excose that it had a fall, was comphetely hooken, and nseless. They refised to return and homs it up, broken as it was; they refased to mahe any axertion, and acted as if they had given up all hope of preservation.

On the 21 st the men took it into their heads that the party had lost their way, and a gloom was spread aror every combenance. Dr. Richardson had sulfored so much from cold, fatigue, and hanger as to be obliged lo deposit his specimens of plants and minerals, collected on the sea-coast, heing mable to curry them any finther.

Things eontimed in this deplomable state till the ethh, when the killing of tive small deer ont of a large herd rominated the drooping spirits of the mon, and they ashed for a day's rest, which was considered reasomathe enough, that the fuiet enjoyment of two substantial meals, atier right day's famine, might coable them to proced more vigoronsly. Sn the 2 (6th they reached a hranch of the Copperi Mine River, nud now, for the first time, the peogle were convinced of thoir folly in breaking the two camoes.

Back, the most active und vigorous of the party, was sent forward with some of the hunters to apprise the people at Fort Enterprise of the apmoach of the rest. Credit mad Jumius followed them also to hunt. Credit returned, but Junins was missing, and was never after heard of. Several days wre here los in making a ratt of willows, which was finished by the 29 hth, but all attempts to convey the raft across the stremm failed, and the seheme was ronsidered hopeless: the ratt, moreover, was of green wood, and the want of poles or paddles rendered the moving of it on the water impracticatble. Let it was of the utmost importance to cross the river, as any attempt to go round the lakes would bo sure destruction to the whole party, in their famished and worn down state : two of them, having been utterly umble to proceed, were left behind.
"In this hopeless condition with certain starvation staring

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or this their and the mem he two whe e lift it her a complotely rollad brang ake any exall hope of ads that tho spreal wer suffirend so (e obligad 10 ls, collected any finther. ill the eluh, large herd , and thay reasomable substantial sle them to reached a w, fir tho oir folly in
party, was pprise the f the rest. it. Crodit never aftur king a ralt but all atfailed, innd ft, moreroes or pad-mpractica, cross the would be - fimished en utterly

## tion staring



 which comld maly trominats, and that sperdily, in death, wotmotrored to make the attempht to swim neress thar strame, rarryine with hima lime by which the rati misht he hamled owre.
" He lamelacel into the stream with the lime romad his midthe, but when he hat got to in short distance tiom the "pjossite bank, his amos lecome bemmoled with cold. and he lonst the pewer of moviug them; still he persevored, and turning on his batek, lan meamy grimed the opposite shore, when him less also becance powerloss, and, to our intinite alam, wo belaclal himsink. We instantly hanled upon the line, and he
 in an almost lifu-trss state. Briner molled ap in hamkers, ho Was placed lefore a good fire of willows, and, fortumately, Was just albe to spoak sulticiently to giva some slight diractioms resperting thr manmer of tratiner him. Hor recovored
 Wed in the comse of a tew homs to comverse, and by the evening was sulliciently reovered to remove int: the trat. We then regretted to learn that the skin of his whold loft side was deprived of farcling, in comsequence of expenare to too great heat. He did not perfectly recover the sumsation ef that side motil the followins smmmer. I can not dosoribe what cury oue felt at beholling the skelotom which the doetor's dehilitated frame cxhibited. When he stripped, the
 maigres!" I shall best explanin lis state and that of the party by the following oxtract from his jommat: 'It may be worthy of remark, that I should have hatd little hesitation in any fomar period of my life at phanging into water even helow 38 . Fibhremheit, but at this time I was rednced ahmost to skin and bone, and, like the rest of the pinty, suthered from dearees of cold that womld have been disurgaded in health and vigor. During the whole of om namel we experienced that mo guantity of clothing would keep ns wame while wo tissted; lat an those oceasions on whieh we were emabled to go to bed with full stomanchs, we passed the night in a warm and comfortable manner." Franklin adds, "In following tho detail of our friemis narow escape, 1 have omitted to mention, that when he was abont to step into the water he put his foot on a dagger, which rat hin to the bone; but this misfortme could not stop him from attompting the execution of his generons molertaking."- P . $42.4,4 \stackrel{\circ}{5}$.

> Eight large fagots of dry willows were now prepared,
and found to be bogount, mind a checefal supper of rowk tripe give contidance to the desponding peoplo for a thae; but nothing came in from the hamtors, exorpt that one of them brought in the untlers and back-bono of it deer, which the wolvess and birds of prey had pichod elean, in small quantity of the spinnl marrow only remaining. This, though putrid, was estecomed a valaiblo prize, and was distributed in equal portions, but tomad to be so acrid as to excoriate the ligs ; the bones, mado friable hy burning, were abso eaten. Augnstus mud Back retmond, having taced the shore of the lake fittorn miles, and, despaining of contiming the tome of it, thoneht it best to nttempt to cross the river at this place.

They wore now reduced to the last degree of starvition, the men ugain extremely despondent; a setted gloom hong over them: they refused to collect rocktripe, proferring to finst ruthor than to make any exertion. 'The river was still to bo crossed, and the willowrabic having faifed, a canoe was to be made from the ralts and covered with camsas, but was not yet finished. In short, the extreme degree of starvation was at hand. Frankin thas describes their deplorable condition:
"I set out with the intention of soing to St. Germain to hasten his operations, but though it was only three ruarters of a mile distant, l spent three homs in a vain attempt to reach him, my strength being nuequal to the labor of wading thronsh the doep suow, and I retumed quite exhamsted and mach shaken by the mumerons falls I had got. Ny associates were all in the same dehilitated state; and poor Hood was rednced to a perfect shatow, from the severe bowel complaints which the tripe de roche mever fitiled to give him. Back was so forble ats to require the support of a stick in walking; and Dr. Richardson hat lameness superadded to weakness. Tho voyagers were smewhat stronger than ourselses, but more indisposed to excriom, on account of their despondency. The sensation of hanger was no longer felt by any of us, yet wo were satcely able to converse upon any other subject than the pleasares of eating. We were mach indebted to Hepburn at this erisis. The officers were malle, from weakness, to grather tripe de roche themselves, and Samandré, who had acted as our rook on the fourney from the coast, shaning in the despair of the rest of the Canadians, refinsed to make the slightest exertion. Hepburn, on the contrary, animated by a
firm reliance on the benefience of the su, whe Bringe tem prod with resignation to Itis will, was imdefatigalde in his ramptions to nowe as, atul daty collected all the fripe de roche that wes used in the otheers' mess."-1. $4: 37,402$.

On the 4 th of Octoher they all safely landed on the sombern lamk of the river, one at a time. the e nee being drawn back ngain in suecession till nll were got over, withent any serioms necident. Yat several of the men were wholly mable to procered a day's journey, mad there or fonr had fillen or lay down, mad were left behind. Dr. Richurdson nul Mir. Hood, with their usum feelings of hummity, proposed to remain to take fare of, and to bring up, the disabled to a spot whero there was a thicket of willows mal a supply of rocktripe. John Hephorn, the kindest of mortats, volumtrered to remain with them; but, though his assistanco was too much needed elsewhere, franklin, with his chamateristic ferling, sutfered him to remain, as being the best assistant Dr. Richardson conld have in taking care of those who were disabled. Franklin was most mowilling to purt with any of his commedes, hut saw the neeressity of doing so. "And utter," he says, "we had mited in thanksgiving and prayors to Almighty (iond, I scparated from my companions, deeply afflicted that a train of melancholy circomstames shent have demanded of me the severe trind of parting, in such a condition, from triends who had become andeared to me by their constant kindurss and eo-operation, and a participation of momerons sufferings." The parting took place on the The of Oetober, at the distance of ubout twenty-four miles from Fort Enterprise.

The party who proceeded with Captain Franklin consisted of eight persons. 'I'wo of the Camadians, Bolnager and Michel, on tho first day's journey dochared themselves mable to proceed, and hegred most ramestly to go back to the party left hehind, which was granted. T'wo more ware soized with dizaness, und betrinyed other symptoms of extreme debility; ome of them, bursting into tears, dechared his ina!ility to go on, and the other, the next day, was completely exhansted; each, at his own request, was permitted to return to Dr. Richardson's encampment, where fire and rock-
tripe wore to he ohtained. Owe of them, howerep ( Nichel, the Irognois), ouly urved: the other thene were Ino more heard of: and fortmater indered womh it have heren if the survivor had perished with the rest.

Fromklin's party was mow redued to tive; the bas that parted from him was ane of the most thithting, ind fin whom he had a simerere reand; his name was Anto-
 1) Monron's regiment. 'The poor fellow, of tabing lonve, hand entreated franklin, should her survive, to tahe him to Finghand, to put him in the way of remehing hame. The five remaning were limuhlin, Adam, Peltior, Bomoit, and samandro. 'Ther sulferings on the jemoney mot with no alleviation till that of the last day, when they rajoyed the romatert of a large fire, the first desireving that mame sime leaving the coast; but there was mo "trijer de: roché "und we dramk tra and ate some ol our shoes for suppor." "Tho mext morning," ho savs, "with our minds ngitatol hetwern hope mad far, wo wout siloully forward, bint on reaching the long and ardemly wished-for liort Linterprise, to our infinte disappointment and gridif, we found it "perfectly desolate hathithtion; uo provisions-no Wentzel-not a trace of any living animal." A note from Back only stated that ho had imrined two days belore, and was looking fin the ladians. This was so musatisfactory, that franklin decidad coolly and doliberately to go himself in a feew days, with Benoit and Angustus,* to Fort Providence. In the meme time, it was absohtely necessary to look out for something to subsist upon, and "we wror gratified," ho says, "to dind several deer skims which had berol thrown awiy during our former residence; the hours were gathered from the heap of ashes; these, with the skins, and the addition of tripe de roche, we considered would sup)port us tolorably well for a time." In a tew days Framklin set out on his joumer, but fond himselt so wrak as to have gone only four miles in six hours : the next moming he foll between two rocks, and broko his snow-shoes; finding himself so exhamsted, he let his two companions

[^20]1, howneror her throw d womld it he rest.
; the liant rithtin!, mill was Antuy yous in ani tuting w. to tuhn, ning heme. cltier, Beminey met wholi they descroving re was me a somue uf $"$ her surs, a time wo IIg yund illnite disapsolate hailhare of :any ed that his fion the linthin decidfew days, e. Inille ok out for tilied," he, enthewn were gathskins, and rould supys Frmiko wrak as lext morn-ow-shoes; "мрииіеня s plane. On "1) llowed alonu
procerd in scarch of the findims, and returmed to his miswroble homes. Miscrathe indered it was: two of the three left behind were mable to quit their hedra, amb they staresly consed trom shedding temes the whode day. . $\because$ was toio weak to pemud the bomes, and Protier (the thirl) "greod to do that in addition to his more fatiguing mok of getting woud. Wi pererived ane strength to diedine arey day , und every wertion hagan to be ithsome: when
 to rise, and wo had frequently to lift each other from our scuts."

Vightem days were possed in this miserathe condition, which hand inerensed fiem day to day, with the prosperet, however, of a sperdy termination, for the wrather had set in so severely that the tripe de roche was entimery fromen, the thermomerer being from $15^{2}$ to $20^{\circ}$ below \%ero. Just then, Franklin sinss,
"While we were sented romed the fire this exming, discomrsing about the amticipated relief, the conversation was
 Lo momble!' imaginimg that he heart the Indians in the other rown; immediately afterward Dr. Richardson and Hephom enteren, cad carrsing his homde. When I saw them abome, my own mind was instanly filled with uppremensoms reporting my friend Itood and our other companions, which were immediately confirmed by the doctors melamololy communisation that Mr. Howd and Michel were dand. Poprant and Fomban had neither rached the tent nor beon heard of be them. This imtelligence produced a melancholy deHomidener in the minds of my praty, and on that acemont the particulars were deferred matid another opportmity."1. 446.

The emacinted comutemmees of the doctor and Hepburn gave evidence of thair debilitited state. "The dewtor particulaty remarked the sepulchat tomes of our voices, which he requested of us to make more cheerful, if possible, uncomscions that his own pratook of the stme key." A partridere which Hepborn hand shet was held to ihe fire , and then divided into six pertions. "I and my there companions," says Famklin, "rawnomsty devonred our sharnes, as it was the first morsed of thesh any of us hand tisted tor thirty-me deys, unless, indeed, the small, gristly partichs which we found occasionally Z:
adhering to the pommed bones may be termed fles.a." l'inty and resigmation under cahmity are charmetreristiox of the maval protescion; and on the preserent orcasion of distress we ure told, "the doctor having brought with hisu his Prayor-hook and 'Testament, some prayers míl palms, und portions of Seripture appopriate to our sitnation, were real, and we retired to bed." Franhlin shys:
 1)r. Richardson acpuainted mo with the atllicting circumstances athending the death of Mr. Howd and Miehre, :and Whaited the eacomences subsegnent to my departure from them, which I shall sive from his own journal, in his own words; but I mus here be permitted to express the heartfelt serrow with which I was avorwhehed at the lowe of so many companions; cepecially of my friomd Mr. Hown. to whose zealoms and ahle erorporation I hat beon indehted for so much invaluahle assistance during the expelition, while, the exedlemt gralitios at his heart cogaged my wamest regame. His scientifie ohservations, tugether with his maps and drawinge (. - mall part of which only ippent in this work), evince a varioly of talent, which, had his life been mpared, must have rembered him a distinguished ornament to his profersiom, and which will c:mse his death to be felt as a losis to the service."-P. 148.
'The melimeholy tule of disasters that hat lefallen the party Franklin laft behind is most heart-rending, and is ferdingly wivan in the murntive of Dr. Richardson, which is thes intronlued:
"Throush the extrome kinduess and fore thonght of a ladre. the party, previons to leavine Lamdom. hat beren furnished with a simall collection of religions books, of which we still retained two or three of the most portable, and they prowed of inaloulable berneft to ns. We read portions of them to each wher as we hay in bed, in addition th the mornit, and erening service, and found that they inspired we on each pe:lasil with an strong a sense of the omipresene of a benedicont (iod, that our sitmation, even in these wilds, apperare mo -ngor destitute; and we conversed, not only with calmerse, Ant with chereruhess, detailing with umrestaine eontile ene the past cevents of our hives, and 小welling with hop on onr finture prospects. Had iny poor friend been spared to revist. his mative land, I shouli lonk back to this period with mal. loyed delight."-P'. 449.

The same hind of distress and sulfering which aflict-
ned thesh., metrristics urcus:om of ught with myers an:4 to our sitFranhlin
bone sinup, ing circunt Micliel, :and arture from in his "wn whe haratithe lose of Ir. Hownd to indelted for ition, while, warmest rois maps and this work), en mparced, at to his prowas a luss to
effallon the ling, and is Ison, which
ht of a lady. on firruisheid nich we still they proved a of them tw mornin, and on cach pro of a beutif"ppeamed un th culmurss. 1 confidenere hope ofll our el to revisit 1 with mal-
hich afllict-
ed the party at Fort Enterprise, were deeply aggravatoll by war's of fire, of wood, and of ability to provide sint conace, ly the colduess of the weather, and by the extreme deblity of poor Hood. On the first two days they had nothing to eat exrept minfinsion of the conntry tean-plant, which was gratifying from its warmeth, but atiorded no sustemaneo the secom day was so stormy, aud the suow fell su heavy, that they kept their beds, if a few miserable shins mid their chathing deserved tho name. Ou the third day, Michel, the Iropuois, hrought them a hare and partridge: "This mexpected st!pyly," says Riehardson," was received by us with a deep sinso of gratitude to the Almighty, and we lowked upon Ni.hel as the instrmment he had chosen to preserve all our lives." He complained of cold, and Mr. Hood offered to share his buflalo robe with him at night ; the doctor gave him a shirt, und Hepburn, in the wurnth of his heart, exclaimed, "ILow I shall love this man, if I find ho does not tell lies, like the others!" Hephurn han studied the man, and found cause to suspect him. The party this day, ufter ri ading the evening service, retired to bed fill of hope. Nothing, it may be olserved, like despondency, not even a murmar, ever escaped from their lips.

With great fatigue, Richurdsom und Itephurn, with Hood, removed to a wood of pines, to enable them to koep up a fire. The Iroquois was absent. He had, indeed, refused for some days to domy thing, became sulky, and still contimed so powerful, that it was strongly suspected he had a hidden supply of meat for his own use. Sceing the euduring obstinacy and refractory spirit of this man, and his positive refusial even to collect tripe de roche, now their sole dependence, or to get firewood, the doctor told him, that if no reliet cane from Fort Eintrpprise before the 20 th, Hepburn and he should be dispatched thither with a compass to enable them to find the house.

But at last a grave suspicion urose agniust this man. On the evening of his arrival at the pines, he pretended he had theen in chase of some deer, but could not comes up with them; yet he found a wolf, which hand been billed by the stroke of a deer's horn, and he had brought them a part of it.
"Wo implicitly bediawd this story then, bim afterwad bre came comvineod firm eiremmetmeres, the detail of which may be epared, that it must have beren it pertion of the body if Belinger or Perranlt. A question of moment here presentis itself, namely, whether he actualy mardered these ment or either of them, or whe ther he fiomin the bodies in the stome. Fonklin, who is the leest able to judge of the mather, from knw wing the ir situation in the sum at parting, was stronsy of opinion that both Bolanger and Perramb hat been sacrifierol; than Michel, having atroaly destroyed Beliugere, combphoted his erime hy Perratt's death in order to serven himself firm detertion. With this idea upon onr mimds, athe
 tripe de roche as sullieed to proloner a miserable asisteme. and pand Howd erthing weaker exay day, and evilently sinking fisi, our sitnation can better be emeeived than axprosed.

- It his prerion wo antoided as mueh as pussible conversins upon the hoprobesmess of one sitation, and gemerally ondeavored to lead the comversation toward our father prosperts in life. The tiact is, that, with the decay of our strengh, dur minds decaged and we were no longer able to Lear the combuphation of the horrors that surmmoded us. Bach of as, if I may be allowed to julere firm my own case, excused himself from so doing by :a desire of ant shocking the ferelings of the athers, for wo wore sensible of one anothArs weakess of intelle though hlind to our own. Fet we were callm and resigned to our tite; not a marmur ceaned us, mat we were pumbat and fervent in our addresses to the supreme Brong."-1. 15\%.
'The whole eomene of this mon Michel, by Dr. Richardson's mecome, evinced a dinbolical state of mind. Ho wout out abob, refinsing for lat any one with him: remained ont the whole day. refinsing to sleep in the tent; retmond contrmdietory and evasive answers to any questions put to him: regretted he had guited Frankinis party, and refinsed to ent woods spoke in a very surly mamer, and theatemed to have the party.

On the morning of the ?oth Dr. Richardson says he loft Mr. Hood sitting by the fire mad arguing with Michol. "א゙onn athor going out," says Richardsom, "to gather some rock-tripe. I heard the report of a gron; and ahont tom minmes afterward Hepharn cutled to ne in a verice of great alarm to come directly. When 1 arrived, 1 lound poor Hood lying lifeless at tho fireside, a ball hav-

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afterward be. if which mas the bouly oif here presints. hese mell. or in the sthow. mattre, firon was stronsly If beren silctiClanger, emin( sereen himı10 minds, :min ring is much ,he $\because$ :ishome, ind evidenily ived thath $: x$ -
sible conversgemerally enfature proslecay of our longer able to arommed us. my won canc, not shockin! of one :mothpion. Yetwe rimir escaped dresses to the
y Dr. Ric! f mind. 11 , ith him: rein the tent; ot any guesa Franklin?s a very suly
son says he er with Miindson," to a gini: and to me in a In 1 arrived, , a ball hav-
ing apparently entered his forehead. I was at first hor-rom-struck with the illoat that, in a lit of despondency, he had hurved himsolf into the presernee of his Ahoighty Julge by an act of his own hand: but the comdact of Michel soon gave rise to other thoughts, and excited suspicions which were contirmed whrn, upon examining the boly, I discovered that the shot had entered the back part of the head, and passed ont at the forehend, and that the mazale of the gro had beon applied so close as to set fire to the night-cap behime. The gim, from its length, could not have been placed in a position to intlict surh a wound except by a second person. On questioning the lroguois, he said Mr. Word had sent him into the tint for the short gom, and in his ubsenee the long gim had gone off, he did not know whether hy accident in not. Hephurn said that, on hoaring the report, he satw Mirhel rising up belore the tent door, or just behind where Mr. Hood was seated, and then go into the tent. Every circumstance before and after this reent indicated the assassin." For the three following days he kept constantly on his guard, and carefally avoided leaving tho thoctor and Heptam together. Ho even mate use of threatening languge; aud whenever Hephorn spoke, he astaed him if he aceused him of the murder. He said ho hated the white prople, two of whom had killed and ratron his made and two of his refations.
'Taking tho whole conduct of this man into consideration, no other conclusion could be drawn than that ho would attempt to destroy Richardson and Hepborn tho first opportumity that offered. The two were in no condition to resist even an opron attack, nor could they, by any device, escape from him; his strength was powaffl, and, besides his gan, he was armed with two pistws, an Indian bayonet, and a knife. In the atternoon he went to a rock moder pretence of collecting tripe de roche, and said he would soon be with us, this being the first time since Mr. Hood's death that he had left the two officers together. Hepburn was not easily to bo imposed upon. Ho gave such in account of the man, that Dr. Richardson was satisfied there couk be no safoty for them exrept in his death. and llepborn proposed to be the instrument of it.



 intr him thromb the had with a pistol. Had my cown lifio aleme heron threatemod. I would not haw purehisad it hy such a measure: but I comsidhered myself as introsted aly with the protertion of Hophorn, a main whos, by his humane attomtion and devotedness, had so codeared himself to me, thant fill more ansioty for his salety than for my wom. Mi-- chel had sathered nu tripe de rorhe and it was rivident to us that he ham halted for the purpose of puttine his grum in order, with the intemtion of attanking ns, perhaps, while wo wore in the ant of "m:
'The lose of peor Ifond was a severo blow, mud lidehardson and I Cophom lum the last mournfin oftice to promform ower his remains by interring the body in a clmup of willows, and reading the limem serviee in mblition to the evening prayers.
"The lose of a yome oftier of surh distimuthed and varied tahents and application may be foll and duly appreviated by the eminent characters meder whose sommand he had serverl: hom the ealmuses with which he eomemplated the probable termination of a life of nowomon promise, and the patience and fortitude with which he sustamad, I masy ver ture to sily, muparalleded hodily sutherings, can anly he kinwon In the companions of his distresses. Bickersteths scriptan
 his hamb ame it is probnaloe that he was reading it at the inAtint of his death."-l'. fiet. 45:

Dr. Richurdson says that in the preceding part of the marative ho has dwelt upon many circomstances of Michels conduct, " not lor the purpose of nggravating his erime, hut to put the readre in possession of the reasons that inthenced me in depriving a fellow-creature of life."

Sis dhys hat the two remaning desolate and mhuppy tarelers to drag themselves through deep snow, withont food. und nhmost without my fire, existing on lichons and serapings of the skin clonk of poor Mr. Hood. On the fitth day. Dr. Richardson lell down among large stones under the snow more than twenty times, ind says, at length he hecame so exhansted as to be unable to stanch. - If hephum had not exerteal himself beyond

Is I wim llaniranllial and, 1. al inmurliant.. lif. ${ }^{\text {be shont }}$ my awn lif. chaised it by intrusted :ilw $y$ his human! imsilf to me. $\therefore$ vident 1014 his gllm in orps, while wo
v , and lich-
 $y$ in a rlump in uddition to
ixhed and valy: apperialtal minnd he haid Iomplated thos mise, and the l, I may virimly be kumw th's seriputur and fallon fiom is it at the in-
g part of the minstances of aggravating ssion of the fellow-crea-
mind unhuppy snow, withisting on lir. Mr. Hood. among laryo times, mid to be umabla iself beyoul
his strength, mad speredily mado the comempment and himdled a tiro. I moss !ave perishod an tho spot."

Wh the sixth day (the :? !nh of ()etoher) they were apprombhing lour limerpise, and as they ame in sight of it at dark, De. Richardsom, in comelmbing his momorful maration, says:


 with any loonsteps in the smow ats we drew high ome one dnerfinl mexidonee, we hand herom agitated by many melincholy fordontings. Upencontoring the new desolate binidiner, wr had the satisfintion of embancing Captain Framklin; hut (1.) wodds can comery an idea of the filth and wreteheduesu that mot our cyes on looksing aromed. One own misery had
 rontemplation of cach abhers comaciated tigures; but the:
 if Mr. Framklin and thase with him, were more than wo combld at tirst berar."-P. 4fi.

Tho mohancholy situation of poor liranklin was still angmented, if possible, by the helphess and exhatusted state of I wo of his most fathlal C'madians, Peltier and Samandre, who died two days alfor the amival ol Richardson and lhepharn, when, had they mot fortumely come, Framklin would have been left with one solitary companion, sick and helpless as himself, and heoth so atterly umalle to ussist themselves, that eight-and-linty homrs, may, hall that time, wouh probably have pit an cud to their misery. Tho whole labor, therefore, of procuring tirewood, of seruping together old pieces of skins and fragments of bone, devolved on Richardson and Hephorn, whose strength had mpidly reen decliaing, mod was nearly exhansted; when, providentially, on the 7 th of November, the long-expected relief nrived by three lndians, lorwarded by Back. Captain Franklin, at this time, thas describes their condition:
"I may here remark, that, owing to our hoss of thesh, the harduess of the floos, firm which we were only protected hy a hlanket, prodnced somoness over the body, and especially those parts on which the weight rested in lying y yet to turn musches for relief was a matter of toil and difficulty. However, during this perionl, and, indeed, all along after the ante pains of hanger, which lasted but daree or fone diys, hat
subsided, we gememally enjored the comfort of a fow homs wher. The dremms which lin the most gart, her met always. acompmied them, wore nsially (thom mot invarially) of
 of feasting. In the daytime we fell inte the partice of conversing on common and light sulyeres, athough we sometimes discusiod with serionsmess and carmestmess topies coitneeted with religion. We grnerally avoided suaking directly of one present suthorinss, or even of the prosjere of wo licf. I ohserved that, in proportion as our strength derased, oun minds exhihited symptoms of weakness, "vineed ins a kind of nureasomahle pettishmess with cach other. Parh of ns thought the other weaker in intellect than himself, and more in need of advier and assistance. So trifling at cirembstanere as a change of phace, recommended by one as luring wamer and mone comfortable, and refined lig the ather from a dread of mention. frequently called firta frethal expersions, which were no somer uthered than atomed fire to be repated, perhaps, in the comme of a fie mimutes. The same thing biten oermed when we adeavored to assist moth other in carrying word to the tire ; nome of ns were willing to receio. assistance, ahhongh the bask was dispropertioned to ome strengeth. On ome of these ocoasion". Hephum was so comvinced of this waywarluess, that he a xelamed, 'Dear me! if we are spered to return to laghand, I womder if we shall


The supplies sent by Back set all to rights, but mot without the greatest camtion against repletion. On the $1 \because$ th, a note from Back, informing them of his intention to proced to Fort Providence, prepmed them all, without delay, to hasten thither: but Dr. Richardson conld grot no finther than about three miles, he being by much the weakest of the praty. Franklin says (to the homor of the Indians), it was they "who prepared one ancampment, cooked for us, and fed us as if we had beon chididren, evincing hmanity that would have done honor to the most civilized people."

Mr. Back's maratior is but a contimation of the same hind of sutferings by tamine and cohl which pursued his footsteps. For days he mad his party had mothing to eat: even tripe de roche was rarely obtained; many days were passed in sorrow and in suffering ere he had the good fortune to fall in with min Indian encampment. Th the comrse of his spareh one of his companions was fomm dead: " 1 somed him," reported st. (iermain,
fow home' Hot alwirs ariable) if
 tice of com1 wo somptopies: coilpeakin: disper of wo thi derivero, finced by : r. Bitull of himsinff, alld 15 it circminH10 as laciner cother fiom cxpmesions, a le rep:at(rame diuns ach wher in ger tocerion med to owr was st com' De:ar me! - if we shall hts, but not in. OII the is intention in all, withralson could ng by much , the homor ed olli plio had been dane honor
of the same mursued his nothing 10 ned: many ere ho had campment. ranions was (iermain,
"stretcherl upon his back on a samb-bank, frozen to death, his limbs all extomded and swolled emormonsly, mud as hard as the ice that was near him." "We had tho happiness," suys Frmalin, "of joining our friend Mr. Back nt Moose-deer Island. Onr feelings on this necasion can woll be inmgined; and we wore deeply impressed with iratitude to him for his revertions in sonding tho supply of food to loort Enterprise, to which, under Divine Providence, we felt the preservation of gur lives to be owing. Ho gave us an affecting detail of the proceedings of his party since our separation."

It remains omly to state, that the whote party who had survived the long endurement of privation and fatigne arrived in salety at Fort Chipewyan. Here they armaned all their areomests the satisfaction of thaso who had been under their employ, I aliams as well as Canadians, and lrere Captain Franklin conchades his painlully interesting narrative :
"We were here fimished with a camoe hy Mr. : :mith, and a bownam to act as our guite; and having left Fort Chipewyan ou the Sth of Jume, we arrived on the dih of July at Norway Homse. Finding it this phace that canoes were abont to go down to M atreal, I diselanged all our Comadian voyagers, and sent them be these vessels, furnishing them with orters on the adent of the Hodson's Bay Company fir the amome of the ir wages. We carried Angnstus down t, York Facthry, where we arived on the i 4 h of onty, and were recrived with every mark of attemtion and kindmess by Mr. Simpsom, the grovernor, Mr. M•Tavish, amb, indeed, hy ith the oflicers of the united companias. And thas terminated ome long, fitigung, and disastroms tavels in North America, having jommeyed by water and by band (inchoding our navisation of the Pober seai) live thonsand tive hundred and fifty miles."-1'. 493, 49.4.

It is impossible to riso from the perusal, even of this abridged narrative, without fereling the derpest contrition, mingled with admiration, ot such dignified conduct. It contains but a small portion of the transactions and adventures of these few brave spirits, who have so aminontly distinguished themselves by a detemined perseverance moler difficulties of no ordinary kind ; by their magnaminity in boaring up undar snthering and distress in crery nggravated shape-oxtreme cold, fatigue, hun-

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ger in its most appalling chametor, want of fucl, wat of clothing, want of eovering from the inclemency of the weather, dragging their wemberl bodies for a protracted period over a barren combly buried in derpp show, and bearing nll their miseries without a murmor, amd, above all, with a devont resignation to the Divine will, mad a contident hope, in the very last oxtremity, of the goodness and merey of their hemvenly Father, which, in His own good time, they were fally comident would be extended to them.

Such conduct, under such sulferings, supported by such leedings, must ever canse the mames and menory of Sir Lohn Franklin, Sir (ieorge Back, Mr. Hood, inid Dr. Richardson to be held in high regnrdmad estimation, in which we may ho well assured evary ono connected with the maval servico will cordially partieipnte : nor will the menshaken tidelity and philmonthropy of dohn Hephorn be less entitled to admiration und gratitude.*

[^21]pranklin \& richardogn's second jouaney. 279
fuel, want mency of for it prod in derp t mummur, he Divine oxtremity, ly Fuhhor, contirlont ported by ad memory Hood, mill estimmion, combected 0 : nor will "Hephurn
th forgotton at the rank of nant, and honof the dock-

CHAPTER XI. FRANKLIN AND RICIIARDON.

1895, $1826,1897$.
Narrative of a Sccond Expedilion to the Shores of the Polar Sea. By Joun Fuanklin, Capt. R. N., Commander of tho Expedition.
The: mental and physical constitution of a thoroughbred English seaman is rarely found to give wav 1o, or succumb under, misfortunes. He may suffer repeated shipwrecks, may be wounded in fight with the enemy, captured and thrown into prison, all or any of which will not deter him from, but rather incrense his anxiety for, following up his profession, under the hope of more fuvorable auspices. Thus, in the true spirit of a seaman, Captain Franklin, in spite of the almost unheard-of sufferings he endured for a long time, both mental and physical, brought on by extreme cold, debility, and famine, even to death's door-with the full recollection of all these, could not resist the temptation of offering a plan, and also himself for the execution of it, to the government, of a second expedition of the same kind, for the sume purpose, and over the same country, as the one from which he had just returned, and on which the extent of his sufferings had all but put an end to his existence.
"I was well aware," says this nobleminded officer, " of the sympathy excited in the British public by the sufferings of those engaged in the former overland expedition to the month of the Copper Mine River, and of the humane repugnance of his majesty's government to expose others to a liko fate; but I was enabled to show satisfactorily that in the proposed course simitar dangers were not to be npprehended, while the objects to be attined were at once important to the aaval character, scientific reputation, and commercial interests of Great Britain; and I received directions from tho Light Ionorable Earl Bathurst to make the necessary preparations for the equipment of the expedition, to the command wit which I had the honor to be nominated."-Introd., ix., x.

Many manal officers of distingushed talents anximaty offered their serviees, hut his compmions in misformaid, Lirmtement Burli and Dr. Richurdson, being among tho foremost to volmuteer, ware the first to be considered : the former alroady distinguishod tor his zenl and emergy in all the contingemeres of an exploring voyuge, and the hatter as sugeon and matmolist, it may be said of the first distinction, as he had proved himself to be, and, moreover, it gentleman of the most bemevolent mad hamance disposition. 'The valmbla serviees of these two officers on the former expedition can never be overlooked. 'To their energy of elanacter and promptitude of action may undonhterlly, as lramkin records, be aseribed the sufety of himself and the remaining party. Richardson, not to forsake his former companion mod followsufferer, left a comfortuble sitmation at home with a wile and fimily, so enger was he to complete the grograpliy and the natural history of the American coast which bordors the Polar Sea on its somthern side. Lientrment Bushnam, who had served with Ross and Parry in their Aretic voyages, mad had distinguished himself as a dranghtsman and surveyor, was selected as one of the expedition: but the premature death of this excrellent yomg officer, distinguished by his skill in matical astronomy, surveying, and drawing, was deeply lamonted by Franklin; and Mi. E. N. Kendull, Amimalty matr, and recently ussistant surveyor with Captuin Lavo, was also apmointed to the same sitmation in the present rapedition; lastly, Mr. Thomes Drammoned, of Forfir, was apponted assistant maturulist on the recommendaion of Professor llooker and other eminent scientitie men.

In acceding to Captain Framkin's proposal, the govermment was not umnindful of having sent out Captain Pary on his third expedition in the preceding year, and that he might require information and assistmere on the event of his proceeding along the American const of tha, Polar Sea; that portion of it interjacent between Mackenzie River and ley Capo being wholly manown, as was also that between Mackenzie and lleart: 's Rivers. The main object of the present expedition was therefore to explore these two portions of that coast, and was so explained in the official instructions.

1ts anxiomely misfortmin. $y$ mung tho comsidered: al nud enervoyage, anl e said of the to be, and, ent aud hatf these two be averhohmptitude of , be ascribed ryy. Richand followwith al wite - geography $t$ which borLierutenont ury in their miself as a one of the is excellent matical asly lamentend iiraly matr, Lyom, wals esent expeForfir, was nendaion of fic men. al, the nowout Captain ig year, and tance in the const of the, ween Macnknown, as :'s Rivers. is therefore and was so

In the proparations for this arduous modertaking, Captuin Franklin's experience had taught him that birchbiark canoes were not the vessels cultenlated for rongh mad icy scas, and therefore threo boats of a partientar sizo and construction were ordered by the Admiralty to bo, made; nul when finished, and tried at Woolwich as to their qualities of suiling, rowing, und puddling, they werme found to answer fully the expectutions that had been formed of them. A third little boat, nine feot by fome and a half, and covered with Mackintoshis preparod canvas, was made, and called the Wiblant sholl. The fintal stoppage at the erossing of Copper Mine ? ?iver had suggested this; and we are told that, wo the trial, severml ladies femblessly cubarked in it, and were patdled across the Thanes in a fresh breeze.

In the preparations nothing ajpears to have been omitted. Scientific instrmments of all kinds, fowlingpieces and ammunition, marques and tents, bedding, dothing, and water-proof dresses, hour, alrow-root, mactcaroni, portable soup, chocolate, essence of coffeo, sugar und tea, not omitting an alequate supply of that essential article for all North American travelers, pemmican. In short, whatever of use or luxury could be suggested, was provided, to obrinte, as Framkin said, "any apprehension of similar dangers to those experienced on the former expedition."

When all was completed, on the 16 th of Fubruary, 1825, Captain Framkin, Lieutenant Back, Dr. Richarilson, Mr. Kendall, Mr. Drummond, with foner marines, embarked at Liverpool on board the American packet Columbia for New York. It would be thought a waste, of the reader's time to wade throngh a detail of their reception in Amerien, and of their progress along the rivers, over the lakes and portures, with the mumerons obstructions and difficulties they encountored, but rather to proceed at once to land them in salety at Fort Chipewyan ou the 15 th of July, 18:5. Then early arrival, it seems, cansed great surprise to its immates, being only two days hater than the time when Richardson and Hood had arrived in 1819, thongh they came only from Cumberland Houso, where they had wintrred.
It will be sufficient to sny that the whole farty asA: $:$
sembled on the banks of the Great Bear Lake Riser, which flows out of that lake on tho western side into the Mackenzie River, down which they were to doseend to the sea. On their arrival at its month, the explarers were to divide themselves, agreenbly with their official instructions, into two parties; the one, under Cuptain Franklin, to proceed westerly, along the northern const of America us far as ley Capo, or to the rintrunce of Behring's Strait, where he was told he might experet to find H. M. ship Blossom, under the orders of Captain Beechey. The other party, under Dr. Richardson, was to depart at the same time from the mouth of the same river, and proceeding easterly along the smue const, contime till he reached the mouth of the, Copper Mine River. Previous, however, to the commencement of these expeditions along the const, Frunklin made the following arrangements : first, that he should go down to the sea, taking Mr. Kendall with him to collect intormation respecting the genema state of the ice in cutumn and summer; the direction of the coast, and whether they might calculate on a supply of provisions. Sccondly, that Dr. Richardson should, in his absence, proceed in a boat to that part of Bear Lake which approached nearest to the Copper Mine River, and there fix a spot to which he might return the following year from the mouth of that river. And thirdily, that Lientemant Back, with the assistance of Mr. Dease, chief trader of the Hudson's Bay Company, should provide a comfortuble residence and subsistence on the shore of Bear Lake for thoir winter quarters, and also to arrange the distribution of the Indian hunters.

These matters being settled, Franklin and Kendall embarked on the 8th of Angust in the largest boat, the Lion, with a well-selected crew of six Englishmen, and Angustus, the Esquimaux interpreter. Lieutenant Back had the charge of three canoes, each manned with five men. The crews of these, imagining they could easily pass the English boat, were not a little surprised and mortitied, on putting it to the proof, to find the boat taking und maintaining the lead, both under sail and with oars. This river has been so well described by Machenzie, that a very few observations will be sufficient.
ake Riser, Th side intw, sere to deuth, the exwith their one, under the northto the enld he might e orders of - Dr. Richthe month r ulong the, outh of tho o the comnst, Frmukit he should him to colof the ice const, and provisions. is absence, which ap, and theros swing year that Lienease, chief d provide a o shore of to arringe nd Kendall st boat, the fhmen, and enant Back d with five ould easily prised and e boat tak1 and with d by Mac. suificient.

They fomed, what this traveler mentions, a gumbity of wood-com, which was now perceived to be oft fire, und its smell very disugreable. When thed ut wintere gluarters, it was fonnd to emit hatle heat, and untit for the blacksmith's use. 'Tho bunks contuin also a kind of ancthons mud, which the hidims nse occasiomally as food daring tho sensons of famine, bud wem at other thanes chew as mumsement. It is sa ito have a milky tuste, and that the flavor is not disugreenblo. Franklin niso mentions a dark bituminons liguid oorzing from the rocks, and two stremens of sulphureons water thowing into the Mackenzie, where tho Bear Lake River joins it; nlso, lower down, the enstern bunk is composed of thin strath of bituminous shule.
Neur a place culled the "Ramparts" is a defile of seven miles, where the river rushes with grent violence between perpendicular walls of limestone. Here they foll in with a party of Hure Indians, all nently clothed in new konthern dresses, highly ornmented with beads and porcupine quills, both sexes alike, who brought tish, berries, mid mert. At Fort Good Hope, the lowest of the Company's establishments, und upward of three hundred miles from where the party had ombarked, Mr. Charles Dense received and prepared for them a menl at miduight. The fort is situated in the midst of the tribe of Indians which Mackenzio calls Quarrelers, but whom the irnders nume Louchenx or Squinters. Hero " young man, a hulf-breed, named Baptiste, the interpreter of the fort, was lent to them for the parpose of introducing the party to the Loucheux chief. Lower down, a party of these people stood gowing at the stangers with much distrust, und refused to accept their invitutions, till at length a youth, gayly dressed, paddled ofl in his bout, and discovering Augustus, whom ho recognized as an Esquimaux, rose up in his canoe, threw up his hands for joy, and desired every one to come off at once. "They caressed Angustus, danced and phayed around him, to testify their joy at his appearance among them; and we could not help admiring the dememor of our excellent little companion under such unusual and extravagnat marks of attention."
The river was now divided by islands into several
chamels. This was the sixth day afor their departure: and here they passed the last of the bir-trees, in latitula (680 d $40^{\prime}$, these being succeded by stunted willows, which became more dwartish as they approached the sea. Aiter the dissipation of a thick fog, the expmase of water to the northward was so great, that Franklin was inclined to think they had renched the soa; und in this he wis almost contirmed on reaching the shore of Ellice Ishant, where they "wore rejoiced at the sea-like appearanco to the northward." "This point was ohserved to be in lat. (iy ${ }^{\circ} 14^{\prime}$, long. $135^{\circ} 57^{\prime}$, and forms the northeastern entrance of the main chemnel of the Mackenzies River, which from Slave Lake to this point is one thousand and forty-five miles, ncoording to our survey." On reaching Whale Islame, he was satistied that, like Machenzir, ho hat reached the sea; but, on tusting the water, fomm it to be perteetly fresh; still he was persuaded he had reached the soa, and observing an island to the northward looking blue by its distance, the bont was direeted toward it. About midway they were canght by a strong eontrary wind, against which the crew contended for tive hours, the waves breaking into the boat; tho sails were set, which, with 11 change in the wind, enabled them in the course of another hour to fetch into smoother water, mader the lee of the island. "WV then pulled neross a line of strong ripple which marked the trmination of the fresh water, that on the samand side being brackish, mad in the firther progress of three miles to the ishand we had the indescribable pleasure of finding the water decidedly salt." This is perhaps noticed in allusion to Mackenyios having been baned for not userertaning that the $x$ ter was salt hy basting it. Framkin says, that with his little fimil craft he conld not: have ventured beyond Whate Island, or threo miles, to prove its saltness ; but the boundless horizon, the tide, and the sight of porpoises and whales, wero enongh to induce him to say that he land arrived at tho ocean. Framklin says they hat often occasion to admire the general correctness of Mackenzio's survey. "In justion to his memory, $[$ hope the custom of ealling this tho Great River, which is in wemenal use among the traders, will be diseomtimed, and that the name of its eminent diseoverer may be miversally adopted."
leparture: in latitulu, ,ws, which sen. Afe of water ms inclined tis he whes lice Islianl, чресанысе ed to be in rtheastern wie Riser, ousand and 11 reaching henzir, his er, limul it d he hand the northis directed ught by a y contendbowat ; 1has wind, emifetch into d. "Wo th marken e seawarl is of threos deasure of rhaps 110 lamed for histing it. conld not 3 miles, to , the tide, enough to he ocem. dmire the - In justice $\underline{g}$ this the ae traders, s eminent

On Garry Island were found several layers of woodroal and bituminuss lignor. Framhlin had put a piece of the former in his porket, which had igniten spontuneonsly, mill srorehert the meral powder-hom liy its side. Froin the smmmit of this ishand "the sea mpeared in all its majosty, entirely free from iee, moll without my visbhe ofstriction to its navigution, aud newer was a prospect more gratifying then that which lay open t" us." But on landing, in ineident oceured, the orcasion of which, on leaving Englame hat created in his mind a severe struggle between the feediugs of affection and it somse of duty, and thase ferelings were powerfilly nwakened on the present oreasion. Just is he was nhem to Baye Enghad, his belowed wife, theol lying it the puint of death, with heroic fortitule urgel his departure at the wery day appointed, entrenting him, as he valued here peace of mind mind his own glory, mot to drlay a moment oun her aceomen : that she wis filly nware that her days were mumberd, and that his dehy, even if she wished it, could omly be to close her eycs. She died the day alter he left her. It was to this ciremustance that allision is made in the following passage, "which," it was well observed by a friem of his, "will speak to the heart of every one who is capable of understanding the grate that domestic tenderuess lends to the gallant fortite: io of pullic enterprise."
"During our absence the mon had pitched the tent on the beach, and I camsed the silk mion-flas to be hoisted, which my decply-lamented wife had made and presented to mo, as a parting gift, mader the express injunction that it was not 10 be munded before the expedition reached the rea. I will not altempt to describe my emotions as it expanded to the breeze; however natural, and, for the moment, irresistibhe, I felt that it was my duty to suppress them, and that I had no right, hy an inlalisence of my own sorrows, to cloud the animated commenances of my companions. Joining, therefore, with the best grace that I could command, in the genemal excitement, I endeavored to return, with corresponding cheerfuluess, their warm congratulations on having thas phated the Briti.h thag on this remote islamd of the l'olir sea."-P. 36.

Circumstanced as he was with a party many of whom had never seen the sea, and others in constant apprehension of being attacked by the Espumanx (an appre-
hensien that was renlized on the seeond visit to the spot), it was expedient, however pminfally distressing, to join in the general excitement, and not to suffer it to dha by my mplearnice of sorrow or despondency. In doing so, he says:
" Nome spirits, which had been saved for the occasion, were issued to the men; ind with three fervent cheers they drank to the health of our beloved monarel, and to the continuen snccess of our enterprise. Mr. Kendall and I had alsor ronerved a little of our bandy, in order to celebrate this interesting event; but Baptiste, in lis delight of belobling tho seat, hat set before us some salt water, which having beren mised with the bramly before the mistake was discovered, we were relactantly obliged to forego the intended dramplt. amb to nse it in the more classical form of a libation poured on the gromin."-1'. 36, 37.

Captain Franklin was now desirous of procueding westward, to make somo firther examination in aid of the future operations of the expedition, and of reaching, if possible, the font of the Rocky Mountains ; but a calo of wind, violent squalls, und a threatening apperaranee, induced him to give up the attempt and to regain the river, in seder to make the best of their way back to tho fort, which they renched on the 5th of September, where Dr. Richardsom and atl the other members of the expedition were assembled. The buildings for their winter quarters were in a state of great forwardness. The dwolling of the officers measured 44 feet hy 24 , and contained a hall and four npurtments, besides a kitchen; that of the men was 36 by 23 feet, and divided into threo roums. To this comfortuble residence for eight or nimo months, "the officers," says Franklin, "had done mo, the honor, previons to my mrival, of giving the name of Franklin, which I felt a grateful pleasure in retaining at their desire, though I had intended to name it Fort Reliance."
'T'o pass the winter in a much higher degree of latitude, as Pirry did on board ship, was thought nothing of; it reguired only employment for officers and men, in order to shorten the time of confinement. Franklin was well aware of, and seems to have taken a lesson from, the regnlations of Parry. The Camalians and the Indims land plenty of employment for the first four or five
the spot), ng, to join to flug by (loing so,
asion, were they dramk : continurel ad also re-- this interwhling the aving befor liscovered, d dranght, ion poured
rocreding in aid of reaching, but a calle pearance, regain the ack to the er, where the expeeir winter ess. The , and conchen; that into threo fht or nine done mo e name of etaining at Fort Re-
ee of latirothing of; nen, in ormklin was sson from, nd the Inour or five
months, in honting and fishing for the support of the whole party. The reindecer were scarce in the autum, annl in the winter deserted them altogether. The tishing was more snceessful, and during the autumm the nots yiedded daily from three to eight humdred tish, of the hind called "herring salmen;" ulso some trout, tittameg, and carp.
'The oflicers employed' themselves in makino and registering the various meteorological observations, in copying their jourmals and remarks, in finishing the charts, drawings, and sketches, and in assisting Dr. Richardson to examine and arrange the mumerons objects of natural history that had been collocted. But it was equally neeessary to find employment for the seamen and the various residents of the house, whose want of education rendered it more difficult to provide for. 'The plan adopted by Franklin is thus described:
"As the days shortened, it was necessary to find employment, during the long evenings, for those resident at the honse, and a school was therefore established on three nights of the week, from seven o'clock to nime, for their instruction in reading, writug, and arithmetic, which was attended by most of the British party. They were divided in equal portions among the oflicers, whose labor was amply repaid by the advancement their pupils made : some of those who begim with the alphabet learned to read and write with tolerable correctuess. Sunday was a day of rest; and, with the exception of two or three of the Canadians, the whole party uniformly attended Divine service morning and evening. If, on the other evenings for which no particular ocenpation was appointed, the men felt the time tedions, or if they expressed a wish to vary their employments, the hall was at their serviee, to play any gime they might choose; and on these ocrasions they were invariably joined by the oflicers. By thins participating in their amusements, the men becane more attached to ns, at the same time that we contributed to their health and cheerfulness. The hearts and feelings of the whole party were mited in one common desire to make the time pass as agreeably as possible to each other, until the return of spring should enable them to resume the great object of the expedition."-P. 54, 55.

Matters went on pretty well till the conclusion of the year ; but, owing to the extreme scverity of the weather in January and Februnry, the sources from which
they had hitherto derived subsistonce fuiled them. The thermometer foll to - $49^{\circ}$ on the 1st of dunury, being the lowest point to which it descended; but this severe weather wis of siont duration, for on the id a suowstom carried it $\quad 4 ;$ to - $9^{\circ}$ : the highest from the 1st 10 the 10 th was $8^{\circ} 8^{\prime}$, and the mean - $29^{\circ} 7^{\prime}$. All the animals had migrated to the sonthward exeept the wolf and the fox. All the dried meat was expended, and no firesh flesh could be procured; the fish caught lid not allow more than three or four small herrings to emeh man, which, being ont of season, ufforded little nourishment, and cansed indisposition. They wore therefore obliged to have recourse to their provision of pemmiean, arowroot, and portable somp, which had been set apart for the voyages along the sea-coast.

By the midde of April a large supply of meat was hronght up from the stores of the Ifudson's Bay Company, which put then quite at ense respecting food untia the scason for their departure; besides, the animals were begiming to pour in from the sonthward. Of these and other "phenomena comected with the progress of the seasons kept at Fort Franklin,"* Dr. Richardsom records, that on the 11 th of September the musquetoos coased to be troublesome; on the 2d of October, swans in tlight to the southward; on the 5th the last swams were seen. On the shortest day the sun was above the horizon $2 h$. 38m. 10th of A pril, a house-fly seen in the open air. On the Gth of May the first swans were scen; on the 7 th the geese appeared; on the 8 th the ducks; on the 9th the grulls; on the 11 th the first rain fell; on the 17 th varions singing birds made their appearance; on the 27 th the first hughing-geese were seen; and on the 31st the goatsuckers brought up tho rear: and many others, as woll as various plants, are registered.

In the course of the month of May the preparations were nearly complete, and an additional new boat finished, after the model of the Lion, named the Reliance. In June the boats ware all afloat and maned. Fourteen men, including Augnstus and two Camadian voyagers, were to accompany Franklin and Back in the Lion and Reliance ; and ten, inchding Ooligbuck (another Esqui-

[^22]m. 'l'he ury, being his severe I a showthe 1st 10 all the alle wolf and d no frosh not allow ach man, rishment, re obliged an, arrowart for the
mest was Bay Com; food imit mals were these amd ess of the on records, oos ceased ns in tlight vere seen. orizon ®h. b open air. $n$; on the s ; on the in the 17 th n the $2 i$ th e 31st the others, as
oparations oat finishReliance. Fourteen voyagers, Lion and er Esqui-
manx), to go with Richardson and Kenciall in the Dolphin and Cnion.

The position of Fort Franklin was determined; its latitude $55^{\circ} 11^{\prime} 56^{\prime \prime}$, longitude $193^{\circ} 12^{\prime} 44^{\prime \prime} \mathrm{W}$., variation $39^{\circ} 9^{\prime}$ E., dip $8:^{\circ} 58^{\prime} 15^{\prime \prime}$.

The whole party embanked on Bear Lake River on tho ath of June, the $23 d$ being a sultry day; the thermometer in the shade at noon $71^{\circ}$, and at 3 P.M. $74^{\circ}$ : the ice dritting down in large masses, and with such rapidity as to render embarcation misate. It ceased, however, at eight the following morning, and allowed them to proceed: in the evening they entered tho Mackenzie River. On leaving Fort Good Hope on the ed of tuly, being on the border of the Eisquimaux territory, it was deemed expedient to urm the men, and a gan, dagger, and ammmition were issmed to each person. On the 3 d they rached the broad part of the river, where difierent chamels branch off; and here the separation of the parties was to take place. The western branch was the route to be parsned by the boats of Franklin's party, and the eastern branch by those of Richardson; the former to proceed along the northern const westerly as far as ley Cape, where it was expected to full in with the Blossom ; the latter to examine the coast-line between the month of the Mackenzie and that of the Cupper Mine River, and having reached the latter, he was directed to proceed by hand to the nertheast am of the (ireat Bear Lake, where a boat would meet and convey him to Fort Framklin. The Lion, under the command of Captain Framkin, had a crew of six men, with Augustus the interpreter. The Reliance, under the orders of Lieutenant Back, was manned with seven men, consisting of four semmen, a marine, and two Canadian voyagers.

## Franklin's Voyage to the Westuard.

To follow Franklin first, on his voyage to the westward, ufter passing throngh several shallow channels between islands and the main, trending westerly. On the 7th of July the party reached the month of the river, and Frankin, walking toward the shore, distovered on an island a crowd of tents, with many Espuimans strolling among them. He therefore hastened back to the 19

B
boat to prepare for a communication with them, and to select cortain articles for presents und trade. Ho gave orders, in case these people should show intentions of hostility, to forbid firing till ho should set the example, or till ordered to do so by Lientenmat Back.

The boats steered toward the tents under casy sail, with the ensigns flying ; untortmately, they grommed when abont a mile from the beach. Signs were made to the Esquiman to come off. Three canoes instimtly put off, but before they could reach the bonts, others were lanched in such quick succession, that the whole spuce between the island and the boats was covered with them. "We ondeavored," siys Franklin, "to count their numbers as they approached, and had proceded as far as seventy-three canoes and five oomiaks, when the sea became so crowded by fresh arrivals that wo conde udrance no firther in our reckoning." It was supposed, however, that the mumber of wersons had soon increased to about three hundred, all pressing forward to trade, and becoming more and more importumate and troublesome. Tho headmost canoes were paddled by elderly men, who most probably had been selected to open the commmaication. They invited Augustus to approach with the present held out to them. Augustus then explained to them the purport of our visit, and told them that it wo found a navigable channel for large ships, we should come and open a highly beneticial trade with them: with this they were delighted, tossed up their hands aloft, "raising the most deafening shout of applause I ever heard."

Thus far all went on well ; but an aceident happened while the crowd was pressing round the boats, which was productive of unforeseen and very annoying consoquences:
"A kaiyack being overset by one of the Lion's oars, its; owner was plunged into the water with his head in the mud. and apparently in danger of being drowned. We instantly extricated him from his unpleasant situation, and took him into the boat until tho water could be thrown out of his kaiyack; and Augustus, seeing him shivering with cold, wrapped him up in his own great-coat. At first he was exceedingly angry, but soon became reconciled to his situation; and, looking about, discovered that we had many bales and
em, and to He gave entions of example,

- casy sail, gromuded vere made es instimtly ats, otheres the whole as covered ,"tocomit proceeded inks, when als that we It was supad soon inforward to tumate and paddled by selected to lugustus to

Augustus sit, and told ol for large eticial trade , tossed up nig shout of
it happened oats, which ying conse-
on's ours, its in the name. We instantly nd took him a ont of his with cold, he was exhis sitnation; ny bales and
ather articles in the boat, which had bern concealed from the people in the katiacks be the coverings beines earefinly spread ower all. He som begial to ask for every thang he satw, and expresed math displeasme on ond refasing to comply with his domads; he abs, we atherwad leamed, excited the conpidity of others by his accomit ol the inexhamstible riches in the Lion, and several of the yommer mon endeavored to sot into both our boats, but we resisted all their attempts."-r'. 101, 10:。

They contimued, however, to press, and made many biforts to get into the boats, while the water had ebheril su far that it was not knee-deep at the place where they lay; und the younger men, waiting in erowds aromil them, tried to steal every thing thry could reach. The Reliance being uthot, was dragged hy the crowd toward the shore, when Frankin directed the crew of the Lion (which was agromd and immovable) to condeavor to tolbw her; but she remained fast until the Eisquimaux lent their aid and draggel her atter the Reliance. One of the Lion's men pereeived that the man who was upset had in pistol under his shirt, which it was discovrred had been stolen from Linntemut lack, and the thief, seeing it to be noticed, leaped out of the boat and joined his eomntrymen, carrying with him the great-coat which Augustus had lent him.
"Two of the most powerfin men, jumping on bard at the same time, seized me by the wrists and forced me to sit between them; and as I shook them loose two or three times, a thind Fispumans took his station in front to catch my am whenever I attempted to lift my gim, or the broad dagere which hong by my side. The whole way th the shore they kept repeating the word'teyma,' beating sently on my left breast with their hamels, and pressing mine agamst their beasts. As we neared the beach, two oomiaks finll of womrin arrived, and the 'teymas' and vociferation were redonblod. The Reliance was first bronght to the shore, and the Lion clase to her a few seconds afterward. The three men who held me now leaped ashore, and these who had remaired in their canoes, taking them out of the water, carried them to a lithle distince. A numerons party then drawing their knives, amb stripping themselves to the waist, ram to the Roljance, and, having tirst hamed her as fin up as they could, bequn a regular pillage, hamding the artieles to the women, who, ranged in a row behind, quickly conveyed them otit of sight," -l'. 104.

In short, after a firions contest, when kinves were brondished in a must threntening mamer, sereral of the men's clomes cent through, and the buthens of others torn from their coats, Lient mant Back ordered his people ta seize and loved their mushets, but not to fire till the word was given. This had the desired effiect, the whole erowd taking to thoir heols and hiding themselves brehind the drift-timber on the bench. Captain Pramhlin still thonght it best to temporize so leng as the boans were bing agrome; for, armed as the lispuiman were with long knives, hows, mrows, and sperts, fire-arms combld not have beren used with matantage nguinst so minmeroms a host. Framklin, indeed, states his convietion, "considering the state of excitement to which they had worked themselves, that the first blood which his party might unfortumately have shed would instmatly have been revenged by the sacritice of all their lives."

As soon as the boats were allont and making to a secure anchorage, seven or eight of the natives walked along the beach, cutcred into conversation with Angustus, and invited him to a comference on shore. "I whas unwilling to lot him go," says Franklin, "but tiae brave little fellow entrented so earnestly that I would suficer him to land and reprowe the Esisuiman for their comduct, that 1 at lenget consented." (On his return, being desired to tell what he had suid to them, "he had told them," he said,
" Your comduct has heen very bad, and unlike that of nll other Eisqumans. Some of you even stole from me, your commryman; but that I do not mind; 1 only regret that yon flomald have treated in this violent mamer the white peoplde. who came suldy to do yon kinduess. My tribe were in the same mulapys state in which you now are before the whine people cane th Churshill, but at present they are supplied with every thing they need, and you see that 1 am well clothed ; I get all that I waut, and am very comfortable. You cam mot expect, after tie trasiactions of this day, that these people will ever bring goods to your comutry agrain, maless yon show your contrition loy resturing the stom goods. The white people love the fispumanx, and wish t" show them the same kimuluess that they bestow upou ihe Indians. Do not deceive yourselves, and suppose they are afraid of you; I tell you they are not; ;umd that it is entirely
ives wor. ral of the thers turn proplot tw re till the the whute uselvis brn Franklin the buats nans were firte-alims tillst sul 1111 cenviction. ha they hand Ih his party antly have es." sing to a soive's walkert vith Augus"1 whs at ti:e brave vould sulfir r their cometurn, beins he hud told
be that of all (oun me, your gret that you white people. ribe were in re before the they are sulhat 1 an will comfortable. hisis day, that ountry again, or the stolem , and wish w Cow upou the pose they are $t$ it is entirely
owing to their hmmaty that many of you wore not killed torlay ; for they have all gmes, with whieh they ram destroy yom either when near or at a distance. I also have a gun, and can assure you that, if a white man had fallen, I wombl have been the first to have revenged his death."-P'. 103, 109.
'The languge, of course, is that of Frmakin, who, however, gives it as the purpurt of Augustus's speech, and adds, "his veracity is beyoud all guestion with the pary." "We cond perceive,"suys Frmaklin, "by tho shonts of applanse with which they titled the panses in bis language, that they assented to his ingmonens ; mad he told us they had expressed great sorrow for having given so mach canse of allonse." Ho said, moreover, that they ploaded ignorame, having never before sorn white men; that thry had seen so many fine thiters ratirely now to them, that they comld not resist the tomptation of stealing; they promised never to tho tho like ugain, and gave n preot of their sincerity by restoring the articles that had been stolen; and thas, in an micable manner, was the affriy concluded.

These people, in possession ol the country bordering on the coast between tho Macknazie River and the Rocky Momntains, appear to have assmmed a more warlike chamater, from treduent collisions with their neighbers the Dog-rib Indians, than their commemen generally possess. It was also observed, that the firther the party advanced to the westward, the more they found the Esquinanx fentmes taking the resemblance of those of tho 'Tartar race, distinguished by high cheek-bomes, and small, ohliquely elongated eyes, not molike those of the Chinese.
" Every man had pieces of bone or shells thrust through the septum of his nose ; and holes wore pioreed on eadh side of the moder lip, in which were placed circular pieces of ivory, with a large blue bead in tho center, similar to those represented in the drawings of the natives on the N.W. enast of America, in Kotzelne's Voyage. These ornaments were so mach valned, that they deelined seling them; and when not rich enongh to proenre beads or ivisy, stones and pieres of bone were substitnted. These perforations are made at the age of puberty; and one of the party, who appared to be abont fourtern years old, was pointed out with delight by his parents as having to madergo the oper(1) $3:$



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 hati prasime comblomaners.









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 a rimer which they manod habheres, the width mear ise mouth beine about fwo miles. Ilore it was ohsermed that the Rochy Mombtims rom in domehed romess, at mangual distaneres trom the rosist. 'Therir latitute was

()n the lith, timding a dimmel of wator herween an istand they namod theschey and the main, they ontered it, and this statit is reported to be o the anly phane that Wr had som smor quitting the Marhomain River in "hieh a shipe comh timh sheller." lis latitume wis bi! $: 3:=$ longinde $1: 3!{ }^{\prime}: O^{\prime}$. 'The ine and the shatlow-
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The firther they momed westerly the more denso the fogs herome；mot a day chapsed in whieh they did not orewr ；the gemprombre desernded to ：30，and tho saldes of wind berome more constant ；at night the water froze ：and the middle of $A$ ngast having arrived，the win－ ber might here be said to howe set in ；the more carly， probably，from the vicinity of the Recliy Mountains，and the extensive swangy pains between them med the sen．

The men had suffered mueli from the hard labor of pulling and dragging tho heary honts, and frem cold as well as lintigne. It will readily be believed, tion the charactor of the man, that it was with no ordinnry degroe of pain that Framblin could loring himself evento think of relimguishing the great object of his ambition, or of disappointing the thatering contidence that had been reposed on his exertions. "But," ho suys, "I had highere dutios to perform than the gratification of my own feelings: and the mature conside ation of all the alowe matters forced me to the conclasion that we had reached that point beyond which proseverance would be mshness, bud our best eflorts must be frimess." He therefore, with full upprobation of his companions, set ont, ont the 1 ghh of Angust, on his return to the Mackenzie, from the extreme point gained, named hy him the Retmrn Reel, in lat. $70^{\circ} \quad 24^{\prime}$ N., loug. $14!9^{\circ}: 37^{\prime} \mathrm{W}$.

About this time, as it atcerward appared, the Blossum's boat, sent by Beechey from Bohring's Strait, arrived on the const, on which Franklin observes:
"Combl I have known, or ley possibility imagimen, that a party from the Blossom had been at the distime of omly 1 fio miles from me, unditliculties, dimgers, or discomaging ciremmstances should have prevailed on me to return; hat taking into aceome the uncertainty of all voyages in a sea obstracted by ier, I hat no right to expeet that the Blossom had advanced beyond kotzebue Indet, on that any party from her had donbled the ley Cique."-l'. 18:".

Cuptain Franklin states the distance traced westerly from the mouth of the Mackenzie River to have been $3 i 4$ miles, along one of the most dreary, miserable, and uninteresting portions of sea-const that can perhips ho found in any part of the world: and in all that space, not a hurbor exists in which a ship coukd find shelter.

The return voyage was equally larassing to the one just completed. Near Hersehel Ishand, however, they had a narrow escape from the effects of a violent storm on the ocrion :
" As the afternoon wore away, gloomy clouds gathered in the northwest; and at six a violent squall came from that quarter, attended with suow and sleet. The gale increased with rapidity: in less than ten minntes the sea was white with foam, and such waves were raised as I had never beforo

FRANKLIN \& RHUHRDSON's SECOND JOURNLE: 207
wror of pull. ald as woll 10 chmandegroc of o think of or of dis. cen reposnad higher own ferlabove matd remehod 1 be mashHe thereset out, on hackenzire, he Return
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gathered in from that e increased was white ever beforo
 incersmaly, and it was with diblicoliy that we comblal kerp fiere by haing. Our hitthe vessels went through the wather
 three leet up the mammast, and proved themselves to bo, very bonomut. Their small size, howevor, mud the matho,
 of shather rivers, mititerd them for withstanding the sem then ruming, and we were in imminent danger of fomblering. I therefiore resolved on making fin the shore, ns the only meins of saving the parte, nhthongh I was awno that in so doing I incurred the hazard of staving the bonts, there bring fee phaces on this part of the const where there was sutherient beach muler the broken clifls. The wind bowing along tho land, we emald not renture on exposing the batess side to the sea by itanling elivectly in, but, colrine away with the wimd in that plarter, we most provilentially took the gromed in a favorahle spot. The lmats were instandy filled with the surf, but they were maloated and dragered up withont having shstaimed any material damage. fmprosied with a sense of gratitude for the sigmal deliverame we had exprerienerd on this and ather oncasioms, we assembled in the everning to offir up praise and thanksgiving to the Almighty." J. 17: 17:3.

On the 21 st of September the party reached Fort Franklin, where they had the happiness of moetiag nll their friemds in satety : the enstern detachment had arrived on the 1 st of S'eptember, aftor a most successlinl voyage. Franklin says that the distance traveled, in the three months of their absence from fort Franklin, amounted to two thousand and forty-(ight statute miles, of which six hundred and ten wore through parts not previously discovered.
"I can not close this account of our sea voyage without expressing the deep obligation I feel to Lientenant Back for his cordial co-operation, und fir his zealons and umwearied assiduity during its progress. * * * * My warmest thanks are likewise due to the men of my pirty, who met every obstacle with an ardent desive to summont it, and cheerfully exerted themselves to the ntmost of their power. Their cool, steady conduct is the more commendable as the sea narigation was entirely novel to the whole except to the seamen Duncan amil Spinks, and Hallom. corporal of marines. Tho Camadian voyagers, Felix aml Vivier, first sat the ocean on this occasion."

## Dr. Richardson's F'yjage to the Liestward.

The narrative of Dr. Richardson is briefly and heidly told. Aceording to his instructions, le had to trace the const brtween tho Mackenzie and Copper Mine Rivers, fuch to returi from the later overland to Fort Franklin. E:s party consisted of himself, the interpreter Oolightuck. and four men, in the Dolphin; mad Mr. Kendall in the, Union. On leaving Point Separation, in one of the haurhes of the Mackenzie, on the 4 the of July, he made fir Middle Chamel, out of which he entered " brame flowing to the cast ward, the land being how and mars'y, and the smmmits of the banks loaded with dritt-timh er. These thats were enlivened by the busy flight innd cheerfal twittering of the sand-martins, which haid scooped out thonsands of nests in the hanks; "we witnessed with plensure their activity in thiming the ranks of our most tom menting foes, the masquetoes." At for-ty-two miles the party came to the commencement of Reimleer Hills on the main-iand, clothed with trees to their tops.

On the 5th, having made above forty miles, they encamped; and here a sproce-tree was seen of the annsual circumference of seven fret at fomr feet from the yround. On the following day, in lat. $69^{\circ}$. the Eastern Chamel made a turn round the point of the Reindeer Itils, which here terminated; and here also was a small ishand, possessing, according to Markenzie, a "sacred character." being still a burial-phace of the Esquiman : it was called by Richardson the "Sacred Island." Here also the chamel terminated, by severul iskme dividing it into as muny branches. On some of therin, and on various parts of the coast, the bitmonous shate was noticed to be on fire : and in some parts of the clifts appeared as if they had fallen down, owing to the consumption of the combustible strata, and terminating in a green and sloping bmak. The attraction of oxygen by the sulphur canses the conbustion, whieh, as the doctor ofserves, is made more lively by the presence of bitumen.

Ther now steered along the main shore, and speedily trace the, Re Rers, Franklin. oolighuck. all in the ef of the , he made a brauch 1 mars'ys, ft-timl er. light annd hich hall " we witthe rauls At firrement of h trees to
they enthe unnfrom the (c Eastern Reinder ras a small a sacred squimanx: l." Here ds dividung and on vae was noclifts apthe comnating in a oxygen ly is the doethee of bit-
$1 i$ speedily
foll in with a tribe of Esquimanx, who usel threatening language mod gestures, when Onlighter sail they were bad people, "entreated me to embark, took me on his back, and carried me on bourd." As the combluct of these people was very similar to that which Franklin mot with, and not differing materially from those inhal)iting the eastern const of Melville Peminsula, it will not he mecessary to notice the munerons parties of these poople met with on this royage. It may be observel, that on this necasion, by judicions management on the part of Richardson, the necessity of firing upon them was avoided. These poor creatimes hat no doubt the same excuse as those who attacked Tranklin; they had nover seen white men, and never probubly heard of the mily one that their great-gramdfathers might hawe seen. Having got rid of tl , Essqumanx, suddenly a violent gale arose, that, hy setting on the shore, ohliged them to take, shelter in Refnge Cove, in lat. $69^{\circ}$ 299', which they hett the following day: but, from the hadness of the weather, and the ice extending on the sea to the northward, they made little progress. At their hulting-place on the 13th, the decter says:
"Myriads of musimetoes, which reposed amoug the grase,
 Many suow-hirds were hatching th the point, and we sav swaus, Camula grese, eider, kins, atctic, and surf ducks; sev"ral shancons, silvery, hack-headed, mid ivery gulls, together with terns and northern divers. Some lamhing-erese passed to the northward in the exeming, which may he comsidered as a sure indication of land in that direetion."-1'. 21 .

On the 14 th they towk shelter from the fog and a heary gale in a cove called Browel Cove, in latitule $70^{\circ}$, lengitude $130^{\circ} 19^{\prime}$. It was supposed, the witer being backish, that it proceeded from an immense luke not far from the beach, known by the name of the Fisquimanx Lake. Of this large sheet of water Dr. Richardson gives the following aceome :
"Taking for granted that the accoments we roceived from the natives were (ax our own ohservations led ns to believe) correct, Bapmanx Lake is a very extemsive and curime pisce of water. The hadians say that it reaches 1 ", wihhin


thurst, thas ascribing to it an extent from north to sonth of more than one humdred and forty miles, and from cast to west of one hmulred and tifty. * * * If a comjecture may be hatearded about the original formation of a lake which we hand so few opportunitios of examining, it seems proballe that tho alluvial matters brought down ly the Mackemzie and othere rivers have gradually formed a barrier of islimds and shoals, which, by preventing the free access of the tide, emables the fresh water to maintain the predominane behind it. Tho antion of the waves of the sea has a temdeney to inerease tho height of the barrier, while the currents of the rivers and eblo tide preserve the depth of the lake. A great firmation of wood-eonl will, I donbt not, he ultimately fomed by tha immense quantities of drift-timber amually deposited on tho


On the 15th they made a traverse of ten miles across an inlet, the water of which, rmming out in a strong enrrent, and nearly fresh, was supposed to be another commmancation of the Esquimanx Latio with the sea. They maned it Russell lnlet. The latitude was $70^{\circ}$ $12^{\prime}$, and the longitnde $109^{\circ} 21^{\prime}$; and here the main-hand trended, as they wished, to tho southeast; for, having passed the low consts and shoals which extend as far as the lake contimes, it was expected that the obstruction to their progress would cease, as in the whole of this distance they had to cross chamels of shallow water, oncumbered with banks of shingle, and the water nowo fresh than salt.

On the 18 th, sailing betwenn some islands and tho main, a large party of Esquimanx rushed out to the shore, brandishing their knives, using threatening expressions, and forbidding them to land. But on Richardsom bawling ont "harter," they were peaceful it a moment, and brought such goods is they possessed on board : so easily are suvnges managed by judicions treatment.
"The females, unlike those of the Indian tribes, had much handsomer features than the men; and one young woman of the party would have been deemed pretty even in birrope. Onr presents seemed to rember then perfectly hinpy, and they danced with such ecsatay in their slemeder boats as to incar, more than oner, great hazard of being aserset. A bundle of strings of beads being thrown into an oomiak, it was canght ly an old womm, who hagged the treasure to her

## richardson's voyage to the eastward. 301

to south of cast to wost may be hazich we hanl We that the e and other and shoals, cmables thin nd it. The increase the - rivers min? at formation med by the sited on tho
niles across in a strong be another h the sea. le was 70 ? a main-land for, having nd as fire as ubstruction cole of this llow water, water momo
ds and the out to the itening axit on Richaceful in a issessed on cious treat-
s, had much g woman of Fin Europe. happly, and mats as to inet. A bminiak, it was asure to her
breast with the strongest experssion of rapture, while another elderle dame, who had stretehed ont her ams in vain, $b$ came the very picture of despair. On my explaning, however, that the present was fer the whole, an amicable division instantly took phace; and to show their gratitnde, they sang a song to a pheasing air, keeping tine with their onrs. They gave us many pressing invitations to pass the night at their tents, in which they were joined ly the men; and to excite onr liberality, the mothers drew the ehildren ont of their wide boots, where they are acenstomed to carry them maked, and holding them ue, begged beads for them. Their entreaties were, for a time, shecessfinl ; hut, being desirons of getting clear of our visitors before breakfint-time, we at length told them that our stock was exhansted, and they took leave."P. $2.5,2 \times 2$.

At one of their halting-places, the interesting little anecdote of the snow-hunting's nest, mentioned by Captain Lyon, conlal not hail to be brought to their recollection by the following incident:
"In taking wood to make a fire from a large pile of drifttimber which had beren collected by the Esppumanx, the mest of a show-bird, containing fonr yong, was discovered. The parent-bird was at first seared away, but affection for its offfyring at length gave it conrage to approach them with food; and, is it was mot molested, it soon became guite fearless, and fed them with the haves of insects, while the party were seated at breakfitit close by the nest."-I. 23.5 .

Through a small opening in the land, which with the main formed Harrowby Bay, the boats passed with great ditficulty, being nearly barred up; mad the moment they had crossed the bar, the water was greenish and perfectly salt. The eastem point of the pussige lies in latitude $70^{\circ} 30^{\prime}$, longitude $1: 3^{\circ} 35^{\prime}$; and Point Bathust preved to be the most northerly part of the main they approached during the voyuge. From this point the const trended southeast into Franklin's Bay, in latitude $69^{\circ} \quad 20^{\prime}$; rose on the east to Cape Parry, in latitude $70^{\circ} 5^{\prime}$; descended aguin to Daruley Bay, in latitude $69^{\circ} 3 \overline{5}^{\prime}$, the eastern cape of which is in latitnde $69^{\circ} 45^{\prime}$, from whence the main shore gradualiy treads to the southwand of east, sterp to, and bohd, with here and there a small bay and projecting point, till it rouches Cupe Krusenstern, previous to which the party passed through a broad channel, named the Union and Dolphin Cc

Strait, und formed between a long tract of elevated land to the northward and the main shore, to which was given the name of Wollaston Land. In this strait they were impoded, and the Dolphin was nearly eroshed, by two massers of ico.

As soon as she was rendered sea-worthy they proceeded, but the flood tide set with such velocity romud a rochy point, and bronght with it so much ice, that it was thought prudent to put ashore. The violent eddies in thr currents there, the doctor says, "reminded us forcibly of the poet's description of Seylia and Charybdis." The navigation of the Dolphin and Union Strait, he says, would be dangerous to ships, from the many smoken rocks which we observed near the southerin shore.

A little beyond the strat is a rocky promontory, to which Dr. Richardson gave the name of Cape Krusenstern, in honor of the distinguished Russian hydrographor' ; its lutitude was $68^{\circ} \quad 83^{\prime}$ N., lougitude $113^{\circ} 45^{\prime}$ W., and it is the most eastern pritt of the 'and which they consted. From this point the coast trends to tho sonthwest, and ippears as if foming the western side of what is called in the charts George the Fourth's Coronation Gulf, a mistake occasioned by bringing tlag letters of the title on the chart too fir to the westward; to the somthward of it is Cape Hearne, which Franklin and Richardson, in a former visit to the mouth of t!e Copper Mine, saw moly at a distance, appenring as an ishand. 'To the sonthward of Cape Hearne is the month of the Copper Mine River. Richardson now annonned to the men that a short traverse wonld bring them to the month of this river. "The gratifying intelligence," he says, "which we now conveyed to them was totaly mexpected, and the pleasme they experienced found vent in hearffelt expressions of gratitude to the Divine Being for his protection on the voyage."

The sonth const of the Polar Sea could not be expected to produce much virioty of objects in the vegetinble part of the creation, remurkablo either for their utility or beanty. Dr. Richurdson thas sums up what he observed, or collected, on the portion traversed by him, which he estimates at about nine hundred miles:
vated linud which was strait they rushed, by
hey procity round ice, that it lent eddios minded us Id Charylonion Strait, the many southerin montory, to e Krusen-hydrograe $113^{\circ} 4 i^{\prime}$ 'and which ands to the estern side Fourth's inging tho west ward; ln Franklin uth of the ring as an the mouth announced of them to elligence," was totaly iced founid the Divine
not be exhe vegeti-- for their is up what iversed by ed miles :
"We unticed on the coast about one humberd and seventy phanogamous, or flowering phants, being one fifth of the number of suecies which exist fifteen dergees of latitule fiuthor to the southward. The grasses, hents, and rushes constitute only one fifth of the mumber of spuecies on the const, but the two former tribes actually cover more gromm tham all the rest of the vegetation. The ernciferons or cross-like tribe afferd one seventh of the species, and the compond flowers are nearly as numerons. The shrubly plants that reach the sea-coast are the common juniper, two species of willow, tho dwarf birch, the common alder, the hippophae, a goosebery, the red bearberry (Arbutus wea ursi), the Labrialor tea-phant, the Lapland rose, the bog whorthelery, and the erowberry. The kidney-leaved oxyria grows in great luxuriance there, and occasionally furnished us with mu ngrecable addition to our meals, as it resembles tho garden-sorel in flavor, but is more juicy and tender. It is eaten by the natives, and must, as well as many of the cress-like plants, prove an excellent corrective of the gross, oily, rancil, and frecuently putrid meat on which they subsist. The small bulls of the Appine bistort, and the long, succulent, and sweet roots of many of the Astragaleer, which grow on the sandy shores, are catible, but we did not learn that the Esfumanx were acpuainted with their use. A few clumps of white apruce-fir, with somo straggling black spruces and canor-birehes, grow at the distance of twenty or thirty miles from the sea, in sheltered situations on the banks of rivers."-P. 264, $26 \overline{5}$.

In concluding his accomnt of the sea voyage, Dr. Richardson adds the following paragraph, which is highly creditable to Mr. Kendall, the ussistant surveyor:
"The completion of our sea voyare so ently in the season was a subject of mutual congratulation to us all; and to Mr. Kendall and myselt' it was highly gratifying to behold our men still fresh and vigorous, and ready to commence the laborions march across the harren gromnds, with the same spirit that they had shown in overeming the obstacles whirh presented themselves to their progress by sea. We all felt that the comtort and ease with which the voyage had been performed were greatly owing to the judicious imb plentiful provision of stores and food which Ciptain Franklin ham made for us ; and gratitude for $l$ is care mingling with the pleasure excited by our sucess, amd elirecting our thoughts moro strongly to his party, the most arkent wishes were expressed that they might prove equally fortunate. The correctuess of Mr. Kendall's reckoning was another soure of pleasure. Having been deprived of the aid of chronometets by the
 the experlition duritg the intense winter colld, wir only reo



 on ('iptain Framklin's limuer expedition, moly wenty serombs af timer. of about two miles and at hall of distance, which is at






Itaving thas completed their voyage by nriving at


 ing certitiod to be land what was then only comjerture, they prowerdad up the river us far us the Blomily Fialls, abona which, for nheon forty miles, the river was fomm
 alld rowhy bed, mod its cmrent so prodipitors, as to be wholly impractiable to aspend it in bats of a grenter dementit than a few imehes. 'They therefore left the I'mion and the Dolphin boats at the Blourly Foull, stowins in them a mmber of small urtiches for the mse of the Fisgmimans who fireguent this spot; and having distribated mome the party a cortain qumbity al permmican. portable somp, and wher atieles of provism, the whole
 set wat on foot for Beasers River, on (ireat Bear Lakr. A bont had beron appointed to comber them ureoss the laher to liont bramhlin. By this plan a jommey would be saved of three hamberd miles, and of three weres, which a walk ronnd the lahe would have reguired; besides, it spurad them, in mdition to much litigne and shthering. the weme and tear of their small stoet of shoes, atmost ulremdy exhmested, and at their clothing, which was but ill mbinted for the frosty mights ot seppombor.

Some litho delay oecorred in the arrival of the boat on Densers River, but they reached Fort Framkin on the lst of September, "and received a warm welcoma
"hament of un my m-arsionsiy.t whon all's reck-
 Ity sceromels which is a ge ime the:

The dislar colper midrod and
miving ut in notiered hy Ridhnow havmimecture, ody Fralls, wis finmol III meroll s, ins to b a greator - lefit the 'nll, stownse of the nig distrilo-
 the wholde minl, ther enr Lahri. across thu hey would ere weoks, dired: behigne and stock of clothing, s of Ser



 artsom mble:

- Havine now broment the maration of the promerdings of
 mains of expmesing my gratitule ter the party fire the ir eherer find and ohndient rombice. Not 1 mamme if diseontem was
 with alarerity in the lathrioms tasks he wan called apon to perform. Where all behaved with the greatest \%eal, it womld he invidions to partionlarize any ; and 1 an harpy tor here in my power to mbl, that sime our retmo to butand, (iillot (cosswain), Tucker (capenter), and 'Tysor (matime), who were in II.M.'s servier previont to their beding emphyed on the experlition, have heron rewarded by promation. Our
 rind with him to his mative land the wamest wishers med est
 dembtinl, wen when we were survomed by a tribe of his own mation.
"Ther gemeal ahilities and professomal skill of my companion, Mr. (now Lientename kembll, are duly appercinted in higher guarters, and enu deriwe but lithe hister from any enlogimm fiom me; but I can mot deny myself the gratifiention of reroding my dopp semse of the gond forme ame happiness 1 exprobened in being asomianed with a qenthoman of such plewsing manners, and ome "pon whase fricudly shppert and



This kind-learted and most aminble: man, Dr. Richardsom, could not pass over the incidrot of bestowing on a biy the mome of Franklin withont recording a kind and well-deserved compliment to that highly meritorious othcer.
" It wonld not be proper, nor is it my intention, to deseant on the professional merits of my superion oflicer ; but, after having served mular Capain lranklin for nemly soven years, in Iwo suecessive voyages of discovery, I trust I may be mblowed to say, that however high his bother ollicers may rato his comage mal talents, pither in the ordinary line of his professional iluty or in the field of diseovery, the hold he acquires upon the atfections of those under his command, by a continued series of the most conciliating attentions to their feelings, $\because 0 \quad$ Ce:
Cじ
mal $n$ miform mad mormitting regarel to their lose interests,
 friomls and comp:abins, ('aptain Banck and Lientenant Kindall, are in mison with me own when I allim that suatituld.


'That gruthede and attuehment here expressed wore returned in thll mensume to Dr. Richardsom, not only hy the commmoding aficer, but hy rever individual amployed on the two veyuges, and also by the matives with whom they had interecomse, mad by whom his miform kindhess and humanity were daly appreciated. Frmohlin mayss nekmoledged that to his onergy of charanter and promptitule of action ure to be ascribed the sulety, not alome of himself, hat af the surviving party of tha first expedition, to insure which, in fact, he risked his own lific, mut mate n sacritice of the best feelings of his benevolent matmre.

Cot, by some matcombable aceident or oversight, this excellent officer was not honored with that distinetion which was conliored on his compmions, Sir John Fromklin and Sir Coorge Back. But, whatever the canse of the omission may have heren, it has at length been rectified by maplication of Lard Laddington in Sir Jmmes (imham, to solieit her majesty to confer on him the homor of kinghthood, which has been gracionsly granted.

I'o return to the semernl narrative, of which little now remains to he saill: 'The and of september having arrived, it was decomed expedient to pass a great part of another winter at Fort Framkin. It proved a severe one. By a record in Frumbin's ournal, the themometer on the morning of the 7th of Fehruary deseended to - $55^{\circ}$ : it hat hean- $57^{\circ} 0^{5}$ and - $55^{\circ} \cdot 3$ thrice in the comse of this and the mreceding day; between the 5th and eth its general state was from - $48^{\circ}$ to - $50^{\circ}$, thongh it oceasionaily rose to - $43^{\circ}$.

No time, however, was lost in the commencement of breaking up the party. Dr. Richardson was the tirst to depart ; he left in December, for the purpose of joining Mr. Drommond, the assistant botanist, in the Saskatchawan River, that he might have the benefit of an ear
at interests. יnts of my Mant Kiיnit wratiluchle. ill :minmate $\geq 36,: 3 \pi$.
surd wore ot ouly hy idual cmitive's with is milorm

FrumhChariatore tho salety, rty of the risked his lings of his

## oversight,

 mot distines. Sir John atever the s at length ldington to confer an graciouslyhich little bor having eat part of d a severe thermomdescended nice in the en the Eth
to $-52^{\circ}$,

## ncement of

 the first to o of joining he Saskattof an eirrlier spring than at fore brankin to colleet phants. On the lath of Frommory Augnstus mad two Dogr-ril) Indians were sent forvard. ()n the soth ('aphain limaklin lefi the fort, acompmined by five of his men mod two Imlians: and Commander Back was direeted to provord to York Finctory, thenere by the lludson's Buy ship to Linghand, mking with him tho lbitish party, and sombing the ('madians', Montreal.
"On quitting Nomay Llomso," says Frmulin, "wo took lenve of our worthy companion Augustus. 'The tears which he shed at our proting, so masual in those mocultivated tribes, showed the strength of his feelings, nad I have no doubt they procereded fiom a sincero affection; an affection which I can venture to say was mutually felt by every individual." 'This most excellent young man and Oolighack wrere to be conveyed to Churchill to rejoin their families, and Franklin took care thit the pay due to thom was handed over to the directars of the Hudson's Buy Company, to be distributed to them ammally in the way suited to their wants.

It may be proper here to introduce a few words in fuvor of a neglected and unwarrantably despised race of men, the Eispuimanx. A tow samples may suffice, mul better need not be somght for than those of Angustus, Jmins, Oolighonck, and Sackhonse; and among the females, lligliuk. Of these, Ooligbuck was the only mate that survived the prriod of the expeditions herein detailed, and he subsequently accompanied Dease and Simpson, mad is highly spoken of by them for his honesty, tidelity, and utility. Richardson greatly estecmed him. dmius is supposed to have perished on Framklin's first expedition, by losing his way, and dying of cold and hunger ; and Augustus, of whom too much can not be said, also perished in the same way, in his attempt to join Commander Back, as will be seen in the following chapter.

On hearing that Captain Back was in the interior, proceeding toward the sea-coast, poor Augustus set ont on foot, in company with two others, from Hudson's Bay, to join him; they parted, and for a long time nothing was heard of him, but a note from one of the Company's servants said, "I apprehend that poor Augustus has been
starved to dath."* such was the miserable end of poor Angusins-"a faithinu, disinterested, hind-hemted ereature, who had wom the reverd of nll."

Suchionse was atso a most amiable and interligent youg man, whe diod peraceably among the friconds he haul are pired in seothand, and of whom there is im interesting biographicmal memoir in Bhackwod's Magarine, supposed ta have beren written by the late Captain Basil Hall. Brought to Leith in a whating-ship, the owners. phased with his maners, paid hins: axery attentiom, hat hime taught a little English, and st os him back the folhowing season, to remain or not, acording to his own desire. His sistor had died in his mbenee, and having the aher relative living, he inftermined to abandon his comtiy and to return. On arriving at Leith he was met ly Nr. Nissinyth, the artist, who, timding he had a taste line drawing, kindly ofliered him his instructions. On the recommendation of ''aptain Inall, he was angaged us interpreter on the first Arctic voynge, and proved so useful that he was appointed for the second voyage. In the mean time he visited his kind friends in Edinhurgh. In pursuit of his studies, und in the midst of happiness, he was sized with ina intlammatory complaint, which callried hin off in a few days.

He is described as possessing a plensing simplicity of mamers, a comtenance expressive of grod humor, to have bern fend of society, and always desirous of learning something. His kindness to children was very striking : two of these he fell in with on a snowy day at some distance from Leith, shivering with cold. Suckhonse took off his jacket, and carefilly wrapping them in it, brought them safely home. When sensible of his upproaching end, he thanked his friends around him for all their kindness, but said it was of no avail, for his sister had appeared to him and called him awny.

The writer says he was unaffectedly pious, and when death was appronching, he held in his hand an Icelandic Catechism till his strength and sight failed him, when the book dropped from his grasp, and he shortly afterward expired.

But if any doubt could be entertained as to the supe-

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whle end of kinl-hamted
d intellisent e frimuls he of is an int re's Magazine, Cuptain Basil the owners, attention, hand luack the folohis own deand having no don his come was met ly mad a taste for mis. On the ngaged as inroved so useyage. In the, linhurgh. In happiness, he t, which car-
simplicity of od huminor, to rous of learnus very strikday at some

Sackhonse them in it, le of his npid him for all for his sister s, and when an Icelandic m , when the y afterward

## to the supe-

 $t$ man.rimbity of the Esquiman over all other races of prople whom we are pleased to call savages, let hes turn to the puges of Pary, where he deseribes the superior intellectual faenlties of that extraodimary womm Iliglink, who in a moment was made to comprehend the ature of whatever was brought under her notice, and, namer other things, that of the compass, as being the mems of guiding her hand to pencil out on paper the lines of two extensive coasts, on two opposite sides of the same land, nuited by a loug strait, with islands mol other particulars, all of which were fomud to be sufficie:aty correct to guide P'arry to the object of his research. 'The engemess with which hor scrutinizing eye was directed to the forge, and the operation of welding irom, gave a strong proof of her inquisitive and sagacions mind. Her son was little inferion to herself in mental capacity.

Imbed, the order, good conduct, and skill* of the people, from whom Pary received so much usaful information, and their superiority over the general chass of human beings, can not be denied; nor that the means of instruction alone ure wanting to bring them rapidly into a state of eivilization; but so long as they continue to be hemmed in to the distance of not many miles from the sea-const, and by hostile and unenlightened tribes in the interior, thair time and their energies are wholly employed in the mems of self-defense, and sedf-preservation from tamine. Pinry has justly contrasted those dark vices of savage life, ferocious cruclty, resentment, and revenge in the ladian, with the gentle Esquimun :
"When viewed more nearly in their domentic relations, the comparison will, I believe, be still more in their favor. It is here as a social being, as a hasboud dud the father of a fanily, promoting within his own litte sphere the benefit of that community in which Providence hats cast his lot, that the moral character of a savage is trraly to be songht ; and who canturn withomt horror from the Escquimanx, peaceably seated atter as day of homest babor with his wife and ehildren in their suowbuilt lint, to the self-willed and vindictive Indian, wantonly plouging his dagerer iuto the bosom of the helpless woman whom nature bids him cherish and protect?"

Mr. Drummond is the only one of the party that now remains to be noticed. From Cumberlind Honso he ac-

* Displayed in their construction of snow-bnilt houses.
companied the Comprany's 'onts with a brigade of traders tor the Columbin, determined to proceed with them us finr as the Rosky Mommins. To Comlon Housi is two hombed and sixty miles. Lataving this on the lat of Septomber, they proceeded to Edmonton, which is about tome homdred miles, mod renched it on the 20 oth of that month. One hambed miles firther brought them to Assinaboin on the Red-deer River. From thense they procerded up this river to the momatains; but the canoe being mach lumbered, it wis necessmaty that some of the party should travel by land; "and of that mmeber," suys Mr. Drummond, " I volmentered to bo onr." A hemvy fill of' snow remdered the march very fintiguing, and whin with the woods med swamps, the horses becano useless before they got hall way. About the end of Deeamber he took up his winter quarters on the Buptiste, a stremm which flows into the Red-deer River. On tho journey he says he obtumed a few mosses, und on Christmas day had the plensure of tinding a very minute Giymnostomum, hitherto modescribed:
"In the winter I felt the inconvenience of the want of my tent, the only shelter I had from the inclenency of the weather being a hat lmilt of the branches of trees. Soon after reaching onr wintering gromid provisions hecame very sarce. and the honter and his fimily went oft in ghest of imimal: taking with them the man who had charge of my horses, $t$ bring me a supply as soon as they combld procure it. I remained alowe fort the rest of the winter, sexcept when my man ocrasionally wisited me with meat; and I found the time hane rery heary, as I had wo books, and nothing rould be done in the way of collecting specimens of nutural history. I took. however, a walk every day in the words, to give me some practice in the use of snow-shoes. The winter was very severe, and much anow fell until the end of Mareh, when it averaged six fect in depth; in consequence of this I lost ono of my horses, and the two remaining ones becane excectingly poor. The homter was still more unfortunate, ten of his youmg colts having died."-1'. 310.

In the begimning of April, 1826, a fatigning march bronght him to the Columbia portage in six days, and here he received letters from Dr. Riehardson, nccompanied with his tent, a little tea and sugar, and some more paper for his plants. About this time his hunter sent
de of tradwith them II Hensise is 011 the 1 ath n, which is the: $20 t h$ of ought therin ont thenes is ; but tho $y$ that some thut unmto be onr." y futiguing, ses becamo end of Deto Buptisto, r. On the don Christ inute liym-
want of my of the weathSoon atter a very searee. of imimal: ay lorses, tre it. I rehent my man ic time hangr d be done in ry. I took. re me some was very sech, when it is I lost one me exceednate, ten of
ing march days, and on, nccomsome more funter sent
him word thent he had chmged his mind, mut would not aceompmy him into the momotains. His phas were thas deranged, yet he had mo altormative but to remmin with the man, who hael charge of the horses used on the Colmabia portage, "und to botanize in that neighborhood." He resolved, however, to procesod.
"On the 10 th of August I set ont with mother humter, upon whom I had previiled to comdnct me to the Smoking River, although, being disappointed in a supply of ammmition, we were bally provided. We traweded hion so woraldays withont meeting with any animals, and 1 shared the litile rlaed provision which I hat with the hanter's fimily. On the 15 th we killed a momentan sheep, which was guickly devomed, there not being the smallest apprehension at the times that fianine womld overtake us. Day atter day, however, pussed away withont a single head of game of any deseription being seen, and the children began to complain loudly; but the hunter's witie, a young half-bred werm, hore the athstinenee with indiflerenee, although she had two infant twins a* the breast. On the 2 ast we found two yom ; poreupines, which were shared among the party; and two or there days atterward a few fine tront were canght. We arrived in the simoking River on the 5th of Sephember, where the huntar killed two sheep, and a proriod was pat te our abstineme, for before the sheep were eaten he shot several huthates."1'. 311 .

He next proceeded along the mountains, and had reached the head waters of tho Peaco River, when a heavy fall of show stopped his collecting plants fir that season. Desirons, however, of crossing the momatains to the Columbia River, he determined to nccompany the Colmmbia brigade on its arrival. He reached the portage on the gth ol October, and the following duy brought him an order from Captain Franklin to descend in tho spring of 1827 , to rejoin the expedition on its way to Furk Factory. He therefore went with the brignde merely to the west end of the portage, and returned on the 1 st of November. The snow was too deep to permit him to add much to his collections in this hasty trip over the mountains ; "but it was impossible," he says, "to avoid remarking the great superiority of climate on the western sido of that Jofty range. From the instant the descent toward the Pacitic commences, there is a visible improvement in the growth of timber, and the va-
bety of forest-trees greatly increases. The few mosses that I gle aned in the excmsion were so tine, that I cond not hut deeply regret that I was mable to pass a semson or two in that intoresting region."

Another disjutch was received from Dr. Richardson, requesting him to join him at Carlon Honse in April. which he accordingly reached on the ith. "We sumiered much from snow-blinduess on the march, the dogs failed from want of food, we had to carry the baggage on our backs, and had mothing to eat for seven days." All this is told with the greatest phacidity. He secoms only to regret that he had done so littlo. Yet this mondest nuturalist says, "My collections on the momntains mononted io about fifteen hundred species of phants, one humdred aod tifty birds, filty quadrupeds, and a considerable number of inserts."

Captain Framklin and his party, having embarked in the packet from New York, arrived at Liverpool on tho 2th of September, after an absense of two yours, seven montlis and a halt. Commander Back, Licoutemat Kondall, and Mr. Drommond, with the rest of the party, arrived at Portsmouth on the 10 th of October. Franklin and Richardson arrised in London on the s9th of September, when the charts and surves were haid beforo his roval highness the lord-high-admiral.

Under the gridance of such men as those employed on the hast two axpeditions, it is not necessary to siny $n$ word on the mammer in which they have beren condicted. Information has heen obtaned in every department of science, and quite sulficiont as to the bimin point on which they were madertaken, mumely, in genem torms, "to amend the defective geograpliy of the nothern coast of Amoricn." 'The Aretie voygges having eommenced, und as it was not unlikely that Parry, on his second voynge, wonld make mu attempt to proceed along that coast, it was deremed advisable that an examination should be madertaken fiom the month of the Copper Mine River to the eastermpart of the const. The question has now been settled. The whole coast-line is one continued series of rocky islets. with chanmels between them mostly choked with ice, the sen beyond them also covered with ice. in the shape of tloes and hommoes;
frew mossis that I comble Lss a semson Richurdson, ie in April. We sumiorh, the dogs he laggage ven thays." He seems this morlmountains - plants, one ad considmbarked in pool on the cars, seven temant Kono party, ar-

Frambin 9th of sep-- laid belorn
e employen ry to sily 1 -n conductdepurtment (in point on reme terms, a northern aving comry, on his neced along xamination he Copper The gres. -line is one 1s. botween I them also hommoes:
reofs of rocks parallel with the beach, their intermediate chamels shallow, and in many phees not naviguble even by hoats; the wather foggy and stomy, with violent gres of wind, so that Franking says, nter dragging his boats 374 miles to the westward of Mackenzie's River, "in all that space not a harbor exists in which a ship, conld find shelter." Dr. Richardson notices but ono spot in the course of 800 miles-the strait of the Dolphin and Union-in which thero is wator for large vessels ; but he says, " the navigation of it wonld he dangerous to ships, from the many sumken rocks which wo ohserved nent the southern shore."

Dense and Simpson held out no oncouragement for ship muvigation nenr the coast, and they found the western portion of it, beyond the point to which Franklin ndvanced, rocky, shallow, and muddy on mad near tho beach, and the sea genemally loaled with heavy ice. Geography and mitural history havo gained very largely by these expeditions; and to these may be added meteorology in all its aspects, including magnetism and electricity.

## CHAPTER XII.

## COMMANDER BACK.

1833-34-35.
Journal of a Land Expedition to the Eastern l'art of the Folar. Nea, through North America to the Month of Back's River.

To those readers who have made themselves fimiliar with the extraordinary and painfilly-interesting adventures of Franklin and Richardson within the Arctic regions of North Amorica, and along the shores of the Polar Sen, the name of Back, the associato and sharer af all their privations and suflerings, must also be fimiliar. In voluntarily undertaking the present expedition, ho was fully nwure of what he would probably, my, most cortaning have again to encomoter-similar hardships in
his progress throngh the same country. The moti a was no less honorable to his herart than the act itself was to his mathaching conrage.

Bring in laty, a rumor, he says, reached him from England that apprehensions wero entertaned for tho satety of the two Ross's, the mele and nephew, on the hearing of which (with a trone chivalrons spirit) he hastoned home, for the purpose of offering his services to gevermment for the conduct of an expedition in search of them; and his offer was accepted. He received a letter fiom Lord Goderich, acquainting him that the Lords of tho Admiralty had been pased to transfer his sorvies to the Colominl Depmrtment, to conduct the expedition in question, and ho was directed to undertake it, and also to place himself at the disposition of the governors and committee of the Itudson's Bay Company, who would be desired to furnish him with the requisite resources and supplies.

A medical person being required to take care of the heath of the party, Mr. Richard King, in the tirst instance, volunteered his services, and was subsequently engaged, at a salary, as surgeon and maturalist to the expedition. Three men only (two of whom were a carponter and a shipwright) wore tuken from England. These five persons leff on the 17th of Febrimey, 1833, for Liverpool, to proceed from thence in the packet to New York, and thence to Albmy and Montreal. As the route usually followed by the Compuny's servants to the Great clave Lake is the same us that of Sir A, Machenzie, . mmander Back ohserves that a detail of his promress fint seems to be mmecessary, that beiner the point from which, he adds, the discovery properly begins.

Ite had, however, a long journey hefore him from Norway Honse, where preparations of men, and boats, and sledges were made mider the direction of (iovernor simpson, to Slave Lake; and it wonld be unjust to slur over altogether a latiguing journey through one of the most dangerous and detestable countries on the fice of the enth-the mumerons sutibrings from cold und fimine, and other hardships of varions descriptions, which he knew from former experience he would have to encoun-

The mot a ct itself was
him from red for tho lew, on the rit) he hasservices to ain seareh received a 11 that the transfer his net the exndertuke it, the governpany, who quisite re-
care of the le tirst inabsequently to the exvere ular1 Eughant. ury, 1833 , 3 packet to preal. As 's servints of Sir $A$ a detail of that being y properly
from Norboats, and nor Simpo shar over the mest ree of the nd finmine, which het to entotur.
ter, and all of which he hore with a degreo of cheerfulmess mal gool hamor peediar to himself. (ibider. hy the moble exmmple of his former collongnes, Franklin and Richardsom, he never shrme firon difficulties, never murnmred, never desponded. Like a true British seaman, the greater the danger, the more firmly he stuck to the bank, determined to hold on, sink or swim. 'Thos praiseworthy ohjeet ulono which ho had in view took full possession of his mind ; and when he found at Norway llouse that no less than twenty men, composed of stersmen, carpenters, artillerymen, de., had been alromdy collected to arcompany him, ho gives vent to this beinerous burst of exultution:
"This was a happy day for me ; amed as the canoe pushed off fom the bank, my heart swelled with hope and joy. Now, for the first time, l saw myself in a comdition to verify the kind anticipations of my friends. The preliminary difliculties had been overome; I was fairly on the way to the accomplishment of the benevolent eraind on which I had been commissioned; and the contemplation of an objeet so worthy of all exertion, in which I thought myself at length free to indulge, raised my spirits to more than an ordinary piteh of excitement."一l'. 57,53.

The only disappointment he felt, but, at the same time, one that anused him, was the loss of two Canadians, former acquaintances, who presented themselves, amost breathless with haste, as candidates for the service, were accepted, and their agreements directed to be mate out. 'I'hoir wives, however, took difterent but equally effectual methods to prevent their completion, and to keep their hasbunds at home:
"The one, a good strapping dame, cuffed her husband's ears with such dexterity and good will, that he was fain to ery peccaci, and seek shelter in a friendly tent; the other, an interesting girl of seventeen, burst into tears, and with piteons sobs clung to the husband of her love, as if she would hold him prisoner in her arms. I had, therefore, to look else-where."-l'. 55.

He describes the odd assemblage of articles that were huddled together in his tent: "nor was my crew," he says, "less motley than the furniture. It consisted of an Englishman, a man from Stornoway, two Camadians, two métils, und three Iroquois Indians. Babel itself
could not have produced $n$ worse confusion of unharmonious sommels than was the comversation they kept up."

A whole fleet of Indian canoes was met with, whose chief, an intelligent-looking old man, named by the traders "Le Camarade de Mandeville," was stated to lawo an extensive knowledge of the country to the northward of the Great Slave Lake. He was bronght with his Indians to Back's encampment, for the purpose of niving him some information of the river he was ubont to descend to the sea-const. With all betitting ceremony, preliminaries were opened by the customary pipe ; for, as Back ohserves. "a social puff is to an Indian what a bottle of wine is to un Englishman-aperit pracordiait mocks the heart and dissipates reserve." He thus sketches the immates of one of the chiot's canoes:
"The tout ersemble of this 'peoplo', as they with somo vanity style themselyes, was wild and grotespuie in the extreme. One canoe, in particular, fixed my attention; it was small exen for a canoe ; and how eight men, wonen, and children contrived to stow away their legs in a space not more than lange enongh for thre Emeprans, wond have been a puzaling problem to one unacpuainted with the suppleness of an ladian's mbandiged limbs. There, however, they were, in a temperature of $66^{\circ}$, packed heads and tails, like Yamouth herrings-half naked-their hair in elf-lockn. long and matted-filthy bryond deseription-and all spualling together. To complete the pieture, their dogs, seareo one degree below them, formed a sort of body-gnard on each side of the river ; and as the canos glided away with the corrent, all the animals together, hman and camine, set up a shrill and harrible yell."-1'. 39.

One of the hulf-braeds, named Do Charloit, is described as being a dexterous canoe-man in passing ripids: Back's canoe, thongh fimil, and too weak to encomiter rude shocks, "was nevertheless threaded through the boding rapids and sumen rocks with feafful elegance: the cool dexterity with which she was mannged was truly maniable."

As thry jroceeded, the chiof, "Le Cmmarate," gave throm some intomation regarding the river, but it was dificult to make ont the bearings of the plan he sketched; and when Back nttempted to question and assist him. he at last peevishly exclamed "that we did not
f muharinokept up." vith, whense y the tradted to have northward it with his se of giving bout to deceremony, pipe; for, ian what it recordiaHe thus noes :
with somo in the exion; it was comen, and space not would have ith the sup, howerre, Is and tails, in elf-locks. all symallogs, scarte ud on cach $y$ with the we set up at
is describg rapids: encomiter rough the elegance: aged wa
de," gave ut it was o sketchand assist $e$ did not
phace the word as it was, whereas he kept steadily to the rising and setting sum." 'The river, however, is stated to have herou sraphically portrayed by him, as originating in rapids: narrow, shoul, ind dangerous; destitute of woond, even for fiuel; full ol perilous cascades and falls; and that, alter a course more tortuons than that of any river known to the chlest and most experienced of their tribe, it tmolled orer its northern barrier in a foaming cataract into the sea

The party was now approaching the highlands, from which the waters take an opposite course, and from whence the labors which Back says had hitherto been so checrfully undergone (being little more than those to which royageurs are accustomed) werenow to be changed into extraordinary efforts and patient perseverance. Cascalles aud rapids followed each other in yuick succession. To avoid them, it was necessary, with infinito labor, to force their way throngh woods of stunted swamp-fir, clambering ever the fillen trees through rivulets and across swamps, getting on as well as the burdens they were obliged to carry would pernit; and when they emerged, all was barren ind desolate. On guining, however, the summit of the pass, which divides the waters, and is of great height, such was the beauty of the varricd outline on the northern side, "that we were captivated into a momentary forgetfulness of our fatigue." But fatigue alone was not the main cause of their suffering:
"The laborions duty which had heen thus satisfactorily perfirmed was rendered doubly severe by the combined attack of myriads of sundties and muspructoes, which made our faces stremn with blood. There is certuinty no form of wretcheluess, among those to which the checkered life of a ronageur is exposed, at once so great and so humiliating as the torture inflicted by these pury blood-sinckers. To a yoid them is impossible ; and as for defending himself, though for: a time he may go on ernshing them by thonsumls, he can not long maintain the mequal conflict ; so that at last, subblued by pain and fatigne, he throws himself in despair with his face to the earth, and, half suffocated in his blanket, groans away a few hours in sleepless rest."-P. 117.

Again he says,
"After a hard day's work, my weary crew were happy to D 1 :-
encamp, notwithstanding the vigorons and mintermitting as-
 Cortainly they were pestis, and sharply did they convey to us the moral lesson of man's helplessmess ; simer, with all om hoasted strength and skill, we were mable to repel thesid feeble atoms of the creation."-l'. 131 .

Of the sandtlies near the lakes and in the valleys he gives a most appalling account. He says,
"How em I posishly give on idea of the toment we endured from the sandllies? As we dived into the confined and suffiocating chasms, or wated throngh the close swamps, they rose in clonds, athally darkening the air: to see or to speak was egnally diflicult, for they rushod at every undefended part, and fixed their poisonons fings in an instint.' Our faces streamed with hood, as if leeches had been opplied, and there was a borning and irritating pain, followed by immediate inflammation, and producing giddiness, which almost drove us mad. Wherever we halted, which the mature of the country compelled us to to often, the men, even Indians, threw themselves on their faces, and moaned with pain and agony ; for the time, I thonght the tiny plagues worse even tham musquetoes."-P' 179.

Even the ladians have never been able to contrive any means of extirpating these tormenting creatures, or of escuping from their wounds. Their usum mode is to throw themselves on their faces to the ground, and to scream or moan with pain und agony. Back thought of eretting rid of them by tilling his tent with smoke, which brought to the recollection of a former attendant that the old chiof (Frankin) would not destroy a single musquetoe. On which Back says,
" It was the custom of Sir John Franklin never to kill a fly; and, though teased by them beyond expression, especialty when engaged in taking observations, he would quietly desist from his work, and patiently blow the half-gorged intruders from his hands: ' the world was wide enough for both.' This was jocosely remanked upon at the time by Akaitcho and the four or five Indians who accompmied him; but the impression, it seems, had sumk deep, for on Mautelly's seefing me fill my tent with smoke, and then throw open the front and beat the sides all ronnd with leafy branches, to drive ont the stupefied pests before I went to rest, he could not refiain from expressing his surprise that I should be so mulike the old chief, who would not destroy so much as a single musquetoe."-1'. 180.

A native Indian, who had left his party at the mometrins, and lost the only two charges of powder in his possession, and was therefore helpless, had been driven by necessity to follow the travelers a long journey, as the only chance of obtaining the means of sustaining his family till he could return to his firionds. "Had there been only my wife with me," he said in a faint voico, "I would not have troubled the chief, for we could have lived upon berries; but when I looked on my child, mind heard its cries, my heart failed me, and I sought for relief." There needed no other appeal to Commander Back; he furnished the poor man with a libernl supply of provisions and anmunition, and the poor fellow went away the happiest of his tribe.

Having now reached the eastern shore of the Great Slave Lake, Mr. M•Leod was directed to prepare a building for their winter reception, after Back's return from the discovery of the source of the river which was to convey him to the sea-coast. He set out for this purpose, and ufter crossing mumerous lakes, rapids, rivers, and frightfill cataracts, arrived at a lofty hill, and from it saw a lake, out of which he was told one of the branches of the sought-for river issued. He here saw only a few geese, one gull, and many terns, and musquetoes like the fourth plague-innumerable. "No other living thing was seen or heard; the air was caln, the lake umruftled; it seemed us if Nature had fallen into a trance, for all was silent and motionless as death." The splendid lake was named Aylmer.

The river which Back had now to descend was called by the natives Thlew-ec-choh, or the Fish River, and since has very properly been described by the Geographical Society, and in the charts, by the name of Back's River, he having been the first European who had descended it. When he was fully satisfied, by one of the guides, that he had reached one of its feeders, he says, "yielding to that pleasing emotion which discoverers, in the first bound of their transport, may be pardoned for indulging, I threw myself down on the bank and drank a hearty draught of the limpid water." The main stream was speedily approached, and, as the month of August had expired, it became expedient, nay,
imperatise (having made this discovery), to return to Fort Reliance on slave Lake, there to take up his winter quarters; and here he fond the frumework erected of a comvenient honse, which, by the assistunce of momerons workin'll which Mr. M•Leod had assembled, was speedily completed.
"Onr hall was in a manner filled with invalids and other shupidy-dejected beings, who, seated round the fire, occupied themselves in roasting and devouring small bits of their reindeer garments, which, even when antie, atforded them a very insufficient protection against a temperature of 10 : below the freesing point ( $70^{\circ}$ below zero). The father torpid and despainge the mother with a hollow and sepulchral wail, vainly endeavoring to soothe the infant which, with morasing mon, clung to her shriveled and exhamsted hreast, the passive child gazing vacamly around: such was one uf the many groups that surrounded us."- ${ }^{\prime} .218$.

Those scenes of misery mong the poor natives, for want of food und fuel, were more distressing to the feeling heart of Back than my privation that could happen to himself. The old, the sick, and the miserable had heard of him, and were not long in finding their way to the house of the white man, to obtain that relief from sturvation which, in seasons of distress, it would be hopeless to seek for mong their own countrymen.

The sufterings of tho poor Indians at this period are not to be described. "Famine, with her gant and bony arm," says Back, "pursued them at every turn, withered their energies, and strewed then lifeless on the cold bosom of the snow." Nine had fallen victims, and others were on the eve of perishing, when the old ehief Akaitcho came to their relief.
'To add to the distress of Back, he received information that his friend Augustus, the former uffectionate Esquintux interpreter, hearing of his being again in the country, set out from Hudson's Bay in company with a Cimmdian and an hroquois; they lost their way, were separated, and poor Augustus fell a sacrifice to famine. His remains were found on the barrens not far from the Riviere à Jean. It appeared that the gallant little fellow was retrucing his steps to the establishment, when, either exhausted by suffering and privation, or caught in the nidst of an onen traverse in one of those terrible
return to e up his ramework ntssistance ad assem-
and other fire, ocenall bits of ire, atforta temperalow zero). tha hollow the infinnt led aud exly around : 3."-P.218. matives, for ng to the could hapmiserable ding their that relie? , it would try men. period are gunt and very turn, lifeless on en victims, en the old ffectionate griin in the my with a vay, were to famine. from the - little felent, when, or raught se terrible
snow-storms, which may be almost said to blow through the frame, he had sunk to rise no more. "Such," snys Back, "wus the miserable end of poor Augustus! a faithful, disinterested, kind-hearted creature, who had won the regard, not of myself only, but, I may add, of Sir J. Framklin and Dr. Richardson also, by qualities which, wherever found, in the lowest as in the highest forms of social life, are the ornament and charm of hu-manity"-qualities, it must be said, that were found in full vigor in the kind-hearted Back. "Often," said he, on another occasion, "did I share my own plate with the children, whose helpless state and piteons cries were peculiarly distressing. Compassion or the fullgrown may or may not be felt, but that heart must be cased in steel which is insensible to the cry of a child for food."

His own party had a full share of the general distress; their rations were deplorably reduced; but this, however, produced no complaining, no sullen or sulky looks in the brave fellows he had engaged in England and in Cmada. They had none of those means so skillfully employed by Parry on board ship to keep up the spirits of the men; but no objection was raised to the formation of an evening school; on the contrary, it was considered as an amusement, that tended to the maintenance of their cheerful and general good spirits.

About the middle of April active preparations were begun for their intended journey to the sea-coast ; and while so employed, a mer ienger on the 25th of that month brought a packet for Back, which contained the unexpected and welcome intelligence of the safety of Ross and his party. The hurry and excitement of his feelings on the occasion he thus describes:
"In the fullness of our hearts we assembled together, and sumbly offered up our thanks to that mereiful Providence which, in the beautiful language of Scripture, hath said, 'Mine own will I bring again, as I did sometime from the deeps of the sea.' The thought of so wonterful a preservation overpowered for a time the common occurrences of life. We had just sat down to breakfast; but our appetite was gone, and the day was passed in a feverish state of excitement. Sellom, indeed, did my firiend Mr. King or I iudulge in a libation, but on this joytul occasion economy was forgotten; a treat $: 21$
was given to the men, and for ourselves the social sympathies were quickened liy a generous bowl of punch."-l', :4.5.

On the 7th of June, Back, accompanied by Mr. King, left Fort Reliance, each delighted, as may well be imagined, in escaping from scenes of suffering und death, from heart-rending care and vexatious disappointment. " Before me," he says, "were novelty and enterpris"; hope, curiosity, and the love of adventure were my companions; and even the prospect of difficulties and dangors to be encountered, with the responsibility inseparisble from command, instead of damping, ruther heightened the enjoyment of the moment." On the 28 th of June the boat was carried over the last portage which divides the northern streams from the southern ones, into the latter of which she was to be lanched, it being the river which he had discovered, the 'I'hlew-ce-choh, or, as appropriately now named, Back's River, and which was to convey thom into the Pohr Sea.

A singular remark is here made regarding the temperature. About the end of May, just before they set out, the weuther was sultry, the temperature in the sun being $106^{\circ}$; an extraordinary contrast, he observes, to that of the 17 th of January, when it was $70^{\circ}$ below zero! extremes so much in excess from any recorded, that the correctness of the instrument may be doubted. They now experienced the wenther to be cold, thich, and foggy. On clearing up, they were overjoyed to discover the branching antlers of twenty reindeer on the summit of the adjacent hills. To see and pursue was the work of a moment.
"It was a beautiful and interesting aight, for the sun shone out, and, lighting up some parts, east others into deeper shade : the white ice rellected millions of dazzling rays; the rapid leaped and chafed in little ripples, which melted away into the unruffled surface of the slumbering lake; abrupt and craggy rocks frowned on the right; and on the left, the brown landscape receded until it was lost in the distant blue momutains. The foreground was filled up with the ochre-colored lolges of the Indians, contrasting with our own pale tents; and to the whole seene animation was given by the graceful motions of the unstartled deer, and the treacherous crawling of the wary hunters."-P. 307.

Mr. M‘Leod had assembled some hunters, to return $-1.945$.
Mr. King, ell be imaand death, pointment. onterprise ; e my colland dany inseparater heighthe 98 th of tage which hern ones, ad, it being cw-ce-choh, , and which
g the temro they set in the sum obsorves, to $70^{\circ}$ below y recorded, so doubted. cold, tanch, yed to dissleer on the pursue was

## he sun shone

 ecper shade: ; the rapid d away into ept and cragt, the brown bluo mount-chre-colored 1 pale tents: the graceful pus crawlings, to returu
to tho fort by the best way to meet with musk-oxen, tho scareity of animals increasing as Back proceeded to tho north. Among the group of Indians he met with un old acquintance, formed when with Framklin, who wont by the nume of Green Stockings, whose mother was nfinid that if the portrait he drew of her went to England, tho king would send for the original.
"Thongh surromaded by a family, with one urehin in her cloak clinging to her hack, and sundry other matemal accompaniments, I immediately recognized her, and called her by her name; at which she langhed, and naid 'she was an old woman now;' begging, at the same time, that she might bo relieved by the 'nedicine man, for she was very mueh ont of health.' However, notwithstanding all this, she was still tho beanty of the tribe; and with that conscionsness which belongs to all lielles, savage or polite, seremed by no means displeased when I sketched her portait."-1'. 307.

From this time till their approach to the sea, a constant succession of falls, and rapids, and cataracts more or less obstructed their progress, anul, as Back says, "made him hold his breath, expecting to see the bout dushed to shivers against some protruding rocks amid the fomm and fury at the foot of a rapid." In passing rown one of these, where the river was full of large rocks nud bowlders, the boat was obliged to bo lightened; and Back says, "I stood on a high rock, with an muxions hemrt, to see her run it. Away they went with the speed of an arrow, and in a moment the foam and rocks hid them from my view. I heard what sounded in my ear like a wild shriek; I followed with an agitation which may be couceivol, and, to my inexpressible joy, found that the shriek was the triumphant whoop of the crew, who had limided safely in a small bay below." In short, strong and heavy rapids, with falls and whirlpools, kept the mon, for eighty or ninety miles, in a constant state of exertion and anxiety.

He gives an instance on one occasion of the consummate skill of De Charloit, who
"ran our rirkety aud shattered canoe down fomr successive rapids, which, under less able mangement, would have whirled it, and every body in it, to certain destruction. Nothing could exceed tho self-possession and nicety of judgment with which he guided the firail thing along the narrow line






















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men, benumbed in their limbs, and dispirited by the dreary and unpromising prospect before them, broke out for a moment into low murmurings that theirs was a hard and painful duty."

No one can be surbrised that, in such a state of privation and suffering, Back was prevented from canying into effect, or even undertaking, what had been his intention, viz., that of proceeding coastwise to Peint 'I'urnagain, to complete the unfinished part left by Franklin. He sent, however, a small party to the westward to trace the eoast, which was all that could be done; but they were ouly able to follow the shore about fifteen miles with every exertion they could use and the most severe labor, sinking into snow and swampy ground midleg at every step. The surface was level, and void of vegetntion. They found, however, several pieces of driftwood, one of which was nine feet long and nine inches in diameter, which the men jocularly called "a piece of the North Pole." Back was persuaded that the fact of the drift-wood at this point of North America establishes the contimuity of the coass from the mouth of the Mackenzie River, and of the current which could alone havo brought it.

The drift-wood found on the whole of the southern coast of the Polar Sea, from Mackenzie's River to Point Turn-ugain, was fully ascertained to have been brought entirely from the westward, not only from the Mackenzie, but also, as we know from Simpson, down the numerons rivers falling from the Rocky Mountains; the easterly curront setting throngh Behring's Strait carries this drift-timber to the extreme easterly end of the American coast. Admiral Krusenstern, in 1823, in reply to a question put to him on this subject regarding two Russiun ships that had gone from the coast of Asia into the Strait of Behring, writes, " with respect to tho currents in these struits, they have been observed constuntly to set on the const of Asia to the N.W. ; near the const of Americn, to the N.E. ; and off lcy Cupe, nemr which the ships remained four days, due east, at the rate of 55 and 30 miles a duy."

The extreme point seen to the northward, on the western side of the estuary, Back named Cape Richard-
ted by the n, broke out heirs was a
tate of priom carrying on his intenPoint Turnoy Franklin. vard to trace 3 ; but they fifteen miles most severe d midleg at id of vegetaes of driftnine inches "a piece of t the fact of a establishes of the Macd alone have
he southern iver to P'oint een brought the MackenDwn the miantains; the truit carries end of the 1823, in rect regarding onst of Asia spect to the oserved conN.W.; near fl lcy Саре, duc east, at
ard, on tho pe Richurd-
son, which, he says, is in lat. $68^{\circ} 46^{\prime}$, long. $96^{\circ} 20^{\prime} \mathrm{W}$. Another point a little to the westward of this he numed Maconochie, and thinks there is reason to believe that between them and Point James Ross a passage exists -a conjecture fully verified by Dease and Simpson having sailed through it in the year 1839. But of the discoveries of these gentlemen hereafter. Captain Back is also correct in describing an open sea to the eastward as far as the spacious eastern extremity of Simpson's Struit, and nlso beyond it to the Gulf of Akhoolee. As a further proof of an open sen, free of land, he says that a gale of wind from the eastward swept a whole field of ice from that gulf past Back's Estuary, which, however, a westerly gale brought back again, and it disappeared.

Pinned down as he was to this miserable spot, when nothing more could be done, "I felt," he says, "I had no choice; and, assembling the men, I informed them that the period fixed by his majesty's government for my return had urrived, and it now only remained to unfurl the British flag, and salute it with three cheers, in honor of his most gracious majesty, giving his royal name of William the Fourth's Land to this part of America."

On the 15th of August the ice in the estuary had sufficiently parted to allow the boat to proceed, and with open water nud a fair wind, thoy made about twenty miles to the southward, in commencing their return, " where, for a second time in nine days," Back says, "we partook of a warm meal." The many difticulties they had experienced in falling down the river were at least doubled in the labor of going against the stream; rocks and rapids, and sand-banks, with numerous , portnges, were all again to be encountered. "One c.iy," Back suys, "we ascended between sixteen and twenty rapids." It would be a waste of the reader's time, and a trial of his patience, to repent what has already been suid regarding this river.

Having ascended the high grounds which divide the northern from the sonthorn strec.ns. the Ayimer, the Artillery, und the Clinton Colden Lakes embellish the landscape, nud discharge their waters into the Groat Slave Lake. Here Back describes, and gives a print of,
a splendid caseade, which he names Parry's Falls, and snys it is one of the gromdest oljects in mature.
"The coler of the water varied from a very light to a very dark green; and the spray, which spread a dimmess almeve, was thrown up in clouls of light gray. Niagama, Willorforce's Falls in Hoorl's River, the falls of hakabikka near Lake suprior, the Swiss or Italian falls, although they may ench 'charm the eye with dreal,' are not to be compared to this for eptendor of cffiect. It was the most imposing specticle I had ever wituessed; and ans its herg-like appearme hromght to mind ansociations of another scene, I bestowed upon the name of our celelpated mavigator, Sir Lidward l'arry, and called it l'arry's Falls."-1'. 453.

As they proceeded, the Indians brought then provisions from time to time ; und the good old chief A kuitcho, with his followers, though not very suceessfin, was not wanting in his contributions. This old friend to Sir Ioln Framklin was undergoing the usual course which old age and weakness inflict on all the Indian chiefs.
"Ho is no longer the same active and impertant person that he was in those days; for, besides the intirmities that have crept nipon him, he has grown peevish ned tickle. His once alhsolute anthority is consequently reduced to a shadow; mad with the exception of his soms and his own finmily, he can scarcely lowist of a single subjeet or adherent in his summer excursions to hunt. During winter, however, the clan still keep thether as formerly."-1'. 456.

The Indians believe in the existence of One Grent Spirit, who rewards the good and punishes the evildoer. Back says, that, speaking with the Camarade do Mandeville, a potent Chipewynn chief, regarding the due observince of certain moral precepts for his future gnidance, ho listened with most profound attention and gravity. Having eoncladed, he raised his head a little, and, with eyes tixed on the thoor, said, in a low and solemn tone, "The chief's words have sunk deep into my heart, and I slmall often think of them when 1 am ulone. It is true that I am ignorant; but I never lie down at night in any lodge without whispering to the Grent Spirit a prayer for forgivencss, if I have done any thing wrong that day." This heathen may be said to have had no religion, but his feelings and practice were the dictates of a genuine piety.
it to a very a'ss alower, ra, Wilherbikki near I they may mpared to ing spectirцpearame bestowed ir Edward
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int person nities hlat kle. His a shadow; ily, he cim is summer clan still
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On the 94 h of Jume Back reached Norway Ifouse, and having armoged the Company's ncena:ate, sat ont lor Montrean, where, in his passage throngh the United States, he recoivod the kindest attontions. Ho lef New York ou the 17 th of $A$ ugust, and arrived at Liverpool on the sth of September, aftor an ubsence of two years and nembly seven months. Mr. King, with cight of tho men, renched lingland in the IHadson's Bay C'mumany's ship, in October. His imajesty homored Back with an audience, and expressed his uprobation of his efforts, first in the cmase of humanity, mad next in that of geographical und scientifie resourch.

In glancing over tho subjects of natural history mentioned in the Appendix-the quadrupeds, birds, and fishes described in England by Dr. Richurdson, the inseets by Mr. Children, and the plants by Sir William Hooker -it is impossible not to bestow the highest degree of praiso on Mr. King, who, with great exortion and diligence in collecting, and carofal uttention in preserving them, must have undergone much labor and constant anxicty. Dr. Richardsonsays, "Those specimens were all carofilly prepared by Mr. Richard King, surgeon to the axpedition, who deserves the thanks of zoologists for devoting so much time and libor to the promotion of the science."

## CHAPTER XIII.

## CAPTAIN GEORGE BACK. <br> 1836-37.

Narrative of an Expedition in H. M. S. Terror, undertakcn with a view to Gecgraphical Discovery on the Arctic shores.
'Tuis voyage was recommended by the Royal Geographical Society to the colonial secretary, and by him to the Lords ol the Admiralty. The object of the society was nearly the same as that on which Captain Lyon had been omployed; and tho Admiralty having supplied a ship, the 'Terror, furnished him also with instructions, the general import of which was, that he should proceed in the first instance to Wager River or Repulse Buy, us he should find most expedient; observing, however, that, at Salisbury Island, "you will have to choose between the direct and obvious course up Frozen Strait, which was porformed with apparent ease by the Fury and I Iecla in 1821, or the more circuitous route by the Welcome, which was unsuccessfilly attempted by the (iriper in 1824." Captain Back, having this choice, from such high authority-success on the one hand, and fitilure on the other-could scurcely venture to hesitute in his decision; ho unfortunately, though nuturally enongh, made choico of the former, or casy ronte. Whichsoever of the two bays, Repulse or Wager, ho should be uble to reach (and neither of them did he reach), the 'lerror was to be left with an officer, to take chargo of her, and to employ himself in making surveys and observitions, while the captain, with a large party, shonld cross the intarvening land to the eastern shore of Prince Regent's Inlet, sending one party to the north as far as the Fury and Hecla Strait, and the other to pursue the continentul coast-line to the mouth or estuary of Back's River, and its contimuation as far as the Point Tum-ngnin of Frankin. Theso were the objects of the voynge, as pointed out by the Geographical Society.

The detnils of the instructions are not necessary to be stated, as the olject of them failed; but one renark is made in them, which can not always, however udvisable, be complied with : it is their lordships' full belief that at the service detuiled may be fully und faithfully performed in the course of the present season, and "that this Arctic expedition may be distinguished from all others by the promptitude of its execution, and by escuping from the gloomy and unprofitable waste of eight months' detention : it is therefore our distinct orders that every effort shall be made to return to England in the full of this year." The old proverb may here be applied: "Mun proposes, but God disposes." Jack and his associutes not only wintered, but were wedged up by massive ice in the wide ocean for nine whole months, from Octoler to duly, four of which were spent on "an icy cradle," as Captain Back graphically calls it; many scenes are also grophically and beautifully expressed, in numerous exquisite prints by Lieutenant (now Captain) Smyth. Yet the 'Terror has survived it all, was three or four years in the Antaretic Ocean, and is now with Sir Johm Franklin in the Polar Seas.

On the present occasion she was commanded, officered, and manned as follows:
George Back, Captnin.
William Smyth,
Owen Stamky, $\}$ Lieutenants.
Arch. Mchlurdo,
Grilam Gore,
$\left.\begin{array}{l}\text { Robert M Clure, } \\ \text { Puter Fisher, }\end{array}\right\}$ Mates.
Charles Marcumrd, Extra Mite.
Jumes Jonovan, Sura on.
J. A. Mould, Assistant Surgeon.
Willimm Lawas, Clark in Charge.
James Suunders, Acting Master.
$\overline{12}$ Othicers.
4 Wurrnit Officers.
13 Petty Oflieres.
44 Semmen and Marines.
$\overline{7} \overline{3}$ Total.

It may as well be at once stated, that Smyth and Stanley are now captains ; Fisher and M•Murdo, commanders ; Gore, M‘Clure, and Marcaard, lientenants; J. A. Mould, surgeon; Wm. Lawes, paymaster and purser ; Jis. Saunders, master.

On the 14th of June, 1836, the Terror left Chatham, and on the $28 t h$ of July crossed Davis's Strait: On that evening, when the weather cleared up, Back says, "We observed an enormons iceberg, the perpendicular face of which was not less than 300 feet high." Enormous indeed: in what depth of water could it be, or had it been floating? The next morning is described as beautifully fine, "the tall ship, with all her sails set, threading her graceful way through the masses of ice, upon a sea as smooth as un inland lake." A very different scene quickly succeeded on approaching that universally-detested Resolution Islund, with its dense fogs and its whirlpools, tossing about masses of ice, sweeping the ship among them, and rendering her utterly umanageable. Having got clear of all the impediments, they proceeded as far as the Savage Istand., where an iccherg either toppled over or parted with a large mass from its summit; "and the splash in the water, the foam which succeeded, and the fearful rocking of the berg before it again settled upon its base, gave us some notion of danger."

Near these islands a fleet of kaiyacks and oomiaks hailed them, as usual, with vociforous cries of teyma. Back gives them the same bad character they had received from Lyon and others: "The women, in particular, were more outrageous tham I had ever observed before : for, besides disposing of their garments, which they never hesitated to do, more than one actually offered to barter their children for a few needles." A young woman, olserving that one of the officers had not much hair on his head, offered to supply him with her own at tho price of a curtain-ring. These are the same Hudson's Strait Esquimaux which Lyon describes, and from whom he obtained carved figures of a dog and bear; and it is remarkable enough to find Baffin, in the ycar 1615, recording that, near the Savage Islauds, "Among the tents I found a little bagge, in which was a company of littlo, images of men; one the image of a woman with a child at her backe, all the which I brought away."*

On the 14 th of August they fell in with Nottingham Island, which is close by Salisbury Island, the place where Back's instructions pointed out the two routes for his

[^24]
## BACK's ATTEMP'Y TO REACI REPULSE BAY.

Chatham,
On that ays, " We lur face of mmous inrad it been emutifinlly ading her 1 in sea as ne quickly ested Resoools, tossong them, Iaving got 1 as fir as pled over "and tho d, and the tled upon
d oomiaks of teyma. oy had rein particserved bewhich they offered to ming wommuch hair wn at the Hudson's rom whom ; and it is - 1615 , reg the tents y of little ith a child ottingham nce where es for his
choice ; and unluckily, as has been said, he pitched upon thut which was to lead him " with ease" through the Frozen Strait. Their comrse was now northwest ; and they procceded without much difficulty pust the Trinity Islands, and beyond them as far north as lat. $65^{\circ} 25^{\prime}$, and opposite to, but some distance from, the opening of Frozen Strait. The ship was forced toward it through floes of ice, "boring" as they went along, their object being to get near to Southampton Island, sometimes boset, and occasionally getting into a lake of water.

On the 5th of September they were firmly fixed in the ice ; and the whole of the officers, " with axes, icechisels, handspikes, and long poles, began the laborious process of cutting away tho sludge that bound the pieces together." The weather was thick, and though they knew themselves to be neur the coast, they could not tell precisely whereabout they were, for their compasses were not to be trusted. On the evening of the 13th of September the Cape Comfort of Buffin bore north-northeast, and they were not more than five miles from the nearest rocks. Thumped about among hommocs of ice, and "severely nipped," Back says:
" At this time we appeared to be not more than four miles from the land, which was broken into exposed bays, utterly without shelter from the north, and bloeked up with elosepacked ice. Not a pool of water was visible in any direction: to the mercy of Providence alone conld we look for reseno from our perilons situation. None but those who have experienced it can judge of the weariness of heart, the hank of feeling, the feverish siekliness of taste, which gets the better of the whole man under circumstances such as these. Not an incident oecurred to relieve for a moment the dull monotony of our unprofitable detention."-1' 98.

Hulf the month of September had now slipped away, "and we were held still within sight of the same land, as if it were in the grasp of a giant:" a grasp which, from this time for eight or ten months to come, was as obstinately and firmly fixed as that of the Old Man of the Sen on the shonders of Sindthad the Sialor. That sume land was Cope Comfort, which Back had but too much reason to call " a most impproprinte name;" for, helpless as the ship was, wedged in botween blocks of ice, and driven one day on one side and the next on the other of the
cape of this olonoxious name, and sometimes within three or foar miles of it, he had reason to upprehend the worst consequences. For the whole of September, in fact, he was whirled about from Cape Comfort to Capo Bylof and Baffin's Island, and back again ; and during all this whirling backward and forward, just us the wind, or the current, or the tide directed, his case was alinost hopeless. Sceing the growing peril of his situation, Captain Back took the opinion of his officers as to the probability of any farther progress being mado that season to Repulso lay: their unanimous conviction, from the experience of the thirty-four days in which the ship had been beset, was, that any thing inore with that view was utterly impracticable; and they suggested the adoption of certain precautions in the event of their being obliged to have recourse to the bonts for safety.

It was now pretty obvious that there was but small chance for any escape from the "giant" for nine or ten months to como, and Back therefore made up his in:ad to cut a dock in a favorable large floo, which the icemate told him was the only one sufficiently strong for the purpose, and that the ship would be protected as long as it held together. Fortunately, however, the vory next day a general commotion took place, when the whole body of ice separated into single masses, tossed into heaps, or ground into powder, and erushed every thing that opposed them, rushing violently to tho westward, directly up the Frozen Strait; and thius ended for a time the projected floating dock, the floe having wholly disappeared; but others soon supplied its place, and the Terror was as fust as ever, without the labor of digging a dock. "Thus," says Buck, "ended a month of vexation, disappointment, and anxiety, to mo personally more distressing and intolerable than the worst pressure of the worst evils which had befullen me in any other expedition."

The month of November having commenced, it became necessury to sot about a warming apparatus for the ship; but the experiment woofully fuiled. They were still off Cape Comfort, and so nenr the shore that the people strolled over tho ice to it; and Lieutenant Stan-

## back s attempt to neacil repulse bay. 335

mes within - ipprehend September, Comfort to again ; and urd, just as d, his case peril of his his officers being made ous convicur days in thing more and they ons in the rse to the
but small nine or ten $p$ his $\mathrm{m}^{\circ} \mathrm{ad}$ h the icestrong for otected us vever, the ace, when e masses, d crushed tly to the and thus , the floe applied its ithout the " ended a ty, to mo than the 1 befallen
ed, it beus for the rey were that the mit stan-
ley went to survey a harbor, which he found a mile and a half long, ly half a mile broad, and to which was given the name of Smyth's Harbor. On the 14th, the pack which had hurried them about had taken them, according to Lieutenant Stanley's measurement, within 3650 yards of the inaccessible cliffs of Cape Comfort, on which there was reason to apprehend that the ice might strike, break up, and wreck the ship; but she rested secure on her icy crudle, where she lay passively before the Comfortuble Cape. On the 2lst of November, in order to fix the minds of the crew on some object for employment, Back ordered them to build up snow walls and galleries on the floe; and these being for the comfort of all, the work was cheerfully undertaken, and the exercise had a beneficial effect on their health.

They may now be considered to have tuken up their long winter quarters, of nine months at least, on a dloating floe of ice; and Back, wisely recollecting the exmmple of Parry, with the same view induced the officers to assist him in contriving some amusement for the men. They cheerfully assisted, and the farce of Monsieur 'Tonson was got up. It was ushered in with an appropriate prologue by Lieutenant Smyth, and set off with scenery by the brush of that accomplished artist ; and the piece is stated to have gone off with hearty laughter, plentiful plaudits, and at the conclusion with three hearty cheers. This is as it ought to be; and so is the evening school instituted under the superintendence of Lieutenant Smyth, and occasionally visited by Back.
a bout two months before this, say about the middle of October, Captain Back gave his ship's company a very unfavorable character, which cheerfulness and occupution would seem to have had the effect of reforming: in point of fact, they were mostly undisciplined colliers, and almost equally undisciplined whale tishermen; he had only a few " men-of-war men," " who were worth the whole together."
" The want of discipline and attention to personal comfort were most conspicuous ; and though the wholesome requlations practiced in his majesty's service were most rigidly attended to in the Terror, yea such was the masociability, though without any ill will, that it was only by a steady aud
undevinting aystem pursued by the first lientenant that theg were bronght at all together with the feelings of messmates. . . . . Reciprocity of kindness, a generons and selfalenying disposition, n spirit of frunkness, a hearty and aboveboard manner-these are the true characteristies of the British seamen; and the want of these is seldom compensated by other pualities. In our case-and I mention this morely to show the difference of olden and modern times-there were only three or four in the ship, who could not write; all rand; some recited whole pages of poetry; others sang French songs ; yet with all this, had they been left to themsolven, 1 verily believe a more unsociable, suspicions, and uncomiortable set of people could not have been found. Oh: if the two are incompatible, give me the old Jack Tar, who would stand up for his ship, and give his life for his mess-mate."-l'. 128, 129 .

The weather and their situation were such now as to bring even these reprobates to their senses: the thermometer whs at -5.30, making the rapid extraction of heat beyond endurance, and cansing the faces to be frostbitten; and the firephees were so ill contrived as to afford no sulutnry heat ; they crented, moreover, "a fotid and impure atmosphere, that hurked in the lower parts of the deck:" all the while the 'Terror was tossing about on a field of ice, twelve or fourteen miles to the castward of that detestable Cape Comfort. Under such comforts, the want of cheerfulness among such persons is not to be wondered at ; but it may also lave arisen, es Back suggests, from their nevor having been subject to the sulutary influence of naval discipline. "It was in vain," he snys, "we ondeavored to lead them into the wholesome habit of amusing themselves with games or dancing, to cheer their spinits, and while away the long hours of our winter evenings."

On the 11th of January they found the Terror had been carried upon her ice-wagon to within threo miles of Ridge Clitf, which would appear to be at the entrance of Stumley Hurbor, nbout thirty miles to the southward of the interminabla Cape Comfort. In February the cold was intense; the thermometor descended to - $54^{\circ}$; several were on the sick-list, and Mr. Donaldson, a ginner, who had served with Parry, died. Well might Back begin to feel uncomfortable: "the eight months
that thery essmates. elfidenyd nbovethe Brit. pensated is merely es-there vrite ; all lers sally to them$s$, and mind. Oh! Tar, who his mess-
low as to the theraction of be frostas to ar"a fetid ver parts ing about he eastler such persons risen, ubject to $t$ was in into the fames or the long
rror had 3e miles entrance uthward nary the - $54^{\circ}$; , a gun11 might months
siuce wo left England seemed longer than my three yeurs of my former not unadventurons life; days were weoks, weoks months, months almost years." But tho worst was yet to come, and but just commencing : min opening in the tloe was observed within forty paces of the ship; " $n$ most unpromising sight, followed by immmerable cracks," which left no doubt " that the bulwurk of our security had been shattered."

It still held together for three or four days, and, criay as it was, carried them within sight of S"n-horse Point, the southern extreme of Southampton Island, when, on the 18 th of February, the crashing of the ice at the castern edge of the floe was ularmingly lond, followed by a hoarse rushing sound, and soveral severe shocks ugainst the ship; and it is added, "the rent in the ico now formed one continuous line of separation, directly through the center on which the ship was mounted."
"The ship now began to complain, and strained considernbly under the comuter. She then heeled over to port, and relieved herself about six inches from the starboard embankment against the side, making by the effort gaping rents through the snow walls. At this time, the crashing, grinding, and rashing noise beneath, as well as at the borders of the floe, the rents and cracks in all directions toward the ship, herself suffering much, the freezing cold of - $33^{\circ}$, combined to ronder our situation not a little perilous and unconfinta-ble."-P'. 224.

The cracking, and groaning, and comphining of the poor 'Terror, and the interminable ice in which she was fixed, reminds one of the "Ancient Mariner" of Coleridge :

> "The ice was here, The ice was there, The ice was all uround; It cracked emid crowled, And roared and howled, Like noises in a swound."

Tho shock ended by the ice breaking up into masses, mad striking the ship violently every moment ; and that which remained all round was so splintered and jagged, that to put a boat upon it was out of the question. No menns, therefore, wero left to convey any thing to the land, distant at lenst seven or nine miles; und Back says, "I think it at least doubtful whether any one, even with-

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\because \quad 1+x
$$

out ancmubrunce, conld luve renched it." On the 20 th of Frobraary the whole of the ice was agnin in motion, mide sapurated itself entirely from the starbard side of the ship, throwing down and morying uwity theso embankments, gallorioss, and walls of smow which had beron erected for their convenionce, exoreise, and mansement; "some of the gallories," says Buck, "wero now flouting it the wator, loohing likes tummels. 'I'o find ourselves at fireedom to move would, two months liter, have been the summit of our wishes; hut now wo suw it with reluctanco, as it only mocked us with a hope which conld not be remlized, while it involved us in immediato peril." 'I'loe ship, howover, was now in the water, and subject to the mijes and rubs of the masses. which ure stated to have returned ugainst her with acemmalated force, and "to make her cruck fore mad aft with hideons croaking, that for some seconds held us in suspense for the result."

It would mpear, however, from the continued cracking of the ship when the ice was still, and from her being lifter bodily, in one of these commotions, cighteen inches, that she had still the buse of the floe to rest upon; and though frequently "squeezod" and repeatedly "nippod," sho was at intervals jorked up "from the" pressure underneath, with a groan ench time from the woolwork." 'The enduring 'l'orror continued day ater day to recoive this kind of trentment without any increasing leakago, which seemed to prove she was still out of the water: this was made minitest on the 1 st of March, when " sho becamo so hmmered with ice undermeath, that the remainder of the thoe, on either side, mowed about eight or ten feet uhem, lenving the ship, fixed in the midst, and wedged up in every direction :" is nowily which, it is shid, strmgely puzaled the Greenland nen.

In this way, with contimal convulsive cracks and ominous tremblings, thus wedged in, the Terror was borno away in the midst of the ocem, Henven knows where, for none on board could know, from the prevniling fogs and trustless compasses, till the 11th of March, when a little respite was afforded by the fineness of the day, which induced some of the men to ammse themselves by cutting figures of houses, forts, vessels, and men and
the 20 th motion, I side of (est) emmill been sement ; v llonting selves at been the It reluetcould mot e peril." 4 subject stinted to orer, and crenking, "result." ed cracka her berightern st upon; fientedly from the from the day atior t my inwhes still ho 1st of hice unther side, the ship ction:" c (ireenand omiwis borne rs where, iiling foggs 1, when a the day, uselves by men and
women from bocks of snow, with little hoys in hats med trowsers, mul heprositing them on a smonth piece of sulid ice clinging to the ship fire exhibition: thus the lighthemend crew, in the first mome ont that the tramuillity of the iere and the returuing warmoth of the sun permithed, aromsed themselves to indulge in a little payery, und at amen to finget past dugers. This state of thupuillity, howerver, was but of shart duration: other concussings, mad gromings and tremblings, some of them more severe and threatening than befors, were remewend and long contimed: the ship's comlition will be best described in Cuptuia Back's own words:
" On the Ifith of March mother rush drove irresistibly on the larbaral guarter and sterm, and forecing the ship ahead, raised here "ly on the iere. A chantic ruin followed: and peore and cherished cometym, its wall and arehed doms, gallery, aud well-trodhen paths, were rent, and, in some parts, phughed up like dust. The ship was carcened filly four Ntreaks, mad sprong alak as before. Seareely wore ten minutes left us for the expressiom of our nstomishment that any thing of homim lonild could outlive such nssaults, when mother equally violent mish succeded; and in its way to the starboard gharter, threw ap a rolling wave thirty feet high, crowned by a blue sinare mase of many tons, resembling tho entire site of a homse, which, atter hamping for some time in doubthal prise on the ridge, at length fell with a crash into, the hollow, in which, as in a cavern, the after part of the ship, sieromed emberded. Tho poor ship cracked mad tremblad violently; and no one could siy that the next minnte, would not be her last, ind, inderd, his own too, for with her me means of safety womld probably perish."-l'. 830.

On comsulting his officers, they agreed that a light boat, with provisions, shoull, if possible, be landed [on the ice], to serve as a last resource to communicate with the IIudson's Bay Company's factory in the event of the loss of the ship, an ovent that might happen at any moment.
"We were in momentary expectation of seeing the two remaining thoe-pieces, on which we were partly pinised, separate, so as to allow the ship to settle inta the water, esprecially when the outer portion of the cracked thoe, on the starboard side, suddenly parted from its better half, and plided mysteriously nwny among the still rugged but lowser fragments noar. But when our tavorite look out, which we had jestingly de-
nominatod Monnt Pleasamt, the firithful companion of ome
 annid the crash and ruin which had surremeded it-when this tow departed, and beame last and undistinsuidathle among wher peraks and hommers, what could we lowk tion hut an ntter desolation of ath the parts of wur systom!"--1'. 30.t.

Still they remaimed firm us a rock: the sides of the isy cralle lad departed, but the fomblation remmened. and carried its burden along with it at plasure. On the loth of April, buing near Sir James Cordon's Bay, which is close to Sa-horse l'sint, they were met by rising waves of ice rolling the ir burdens towned the ship. - Gue had remed itself thirty fere on one immer thefione, which, strong at it was, gave way under the acramulatod weight; and a mass of several tons being 1 uss upturned und udhed to the original bull, the whole bare down slowly upon our quartere"

- The ship herself was high ont of the water, on the iere, but this wertopped her like a tower. Mom time we were getting mearer and nemer to the lambien: large remts were showing themselves in the iee, at right angles on cach side of the fore chains; the ship, umable to right herself, berem th complain, and the scene every monent beame more dark and threatening. Fxara parchases were fixed to the pumps; the hamle were turned up; the sick provited for; and, thotsh nothing efferthal conhl be done fin our preservation, the attontion of the men was occupied in hoisting two of the boats higher up. . . What the result of that uight might have heren it is impasible 10 say, and painful to contemplate, hand not am wormling Providence mercifilly avertod the erisis, by suldenly, and at the moment of the greatest peril, arresting the tmanilt."-P'. 313.

On the 21st they were still off Sen-horse Point, but, on the $23 d$ fom themselves twelve or fifteen miles from it, the ship's head pointing toward Mill Islants. In this new prosturo of ntiairs, Buek says, "it was decmed expedient immediately to refit, us far as conid he conveniently dome." The suils, which hat for so many months been uscless, wero put in order, the ship was scoured, and the provisions and other articles were brought on deck, rendy, in cuse of need, to be restowed. On this day mother denth occured, after a lingering disense, in tho person of Alexander Foung, n mariac.

From the loth of May till the 7th of June the ice

## baCk's attempt to reacil repulse bay. 3.11

remained compact, and wot a drop of water to be secm. On the !th mention is still malfe of "o our park," maltered in mren, though slightly diminishod in thickness, and on it "the atter part of the ship lay immowably wedged." (On the 1 thin of June the ier was again perfectly compact. Seven men were on the sich-list. On the i.5th of Jume tho iec still stuck to the ship in such a mamer, that Back says "it lowked us if the ship hal beren placed in a bed of some plastice composition, which time had indurated into the solidity, and abost the sub)stance, of limestome rock." On the soth thry hud been drilting near to Charles's Ishand ; und trom this dhy till the sth of July the crew were amplayed in endeavoring to relonse the ship from her icy cradle, but she still remmined impenetrably closs.

On the 11th of July, as the crese were busy extrichting colefs* and canting a trench, (aptuin Buck says, "Scarenly had I baken a fow turus on derk sum dosconded to my cubin, whon a lood rumbling motitied that the ship had broken her iey bonds, and was sliding gently down into her own glemont. I ran hastily an deck, and joined in the cheers of tho officers mad mon, who, dispersed on difiorent pieces of ice, took this significunt mothod of expressing their feedings: it was a sight not to be forgotten." For three or fomr days nfer this the ship had remained, as it were, on her bemm emb, so that " no one coudd move about the deck withont holding on by the ropes to windward;" when, un the 1 the of July, "suddenly, and before a word could be spoken, tho liberuted ship righted entirely," and "I know not," suys Back, "how bumy cheors commemomated the oceasiom." It was indeed, us he shys, "a seeme not to be forgoten by the spectaters."

The whole voynge, in fact, was of a mature so extraordinmry und mparalleled in the history of voyges, ancient and modern, as not to be forgotion evon ly tho readers of it, still hess by the spectutors. A ship metmally crudled in the ice for fome consecotive months, and drugged ubout utterly holpless, us indeed sha had bern full six months betore, wedgod immonably in or on thers

[^25]of ice, after a provious month's severe oxertions on the part of the officers and men to extricate hor, so long as sails and warps were of any avail-such a case, it may confidently bo repeated. has no parallel. 'To pass a winter among ice in a ship firmly fixed in a hathor or close to the shore, quietly and without hard labor on the part of the men, and with all their comforts about them, has not been found disagreouble; but to winter in a ship which for ton long months was tossed about mad interminable ice in the wide ocean, always in motion, and unceasingly threatened to be crushed to atoms, when every soul on board mast inevitably have perished-such a case can mot be contemplated without the strongest feelings of compassion for the helpless sufferers. And it is highly creditable mod most praiseworthy to officers and men, and more particuharly to the former, that by their steady and unrepining conduct they prevented despondency from seizing upon the minds of the latter. Tho trampuillity and constant good humor, not to say cheerfinhess, of Captain l3ack, and tho umremitt.ng exertions of Lieutenant (now Captuin) Smyth, are ubovo all praise.

Nothing now was left but to get home as speedily as they could with the "crazy, broken, and leaky" 'Terror, which they succoeded in bringing safoly to Longh Swilly. "Thus ended," says Captain Back, "an expodition from which, had it been permitted to reach its port of disembarcation, it was rensomable to expect the full uccomplishment of its ohjects. Uncontrolable circumstances prevented it. The problem itself which it was intended to solve remains maltered." Not quito so. In the two yerrs following, the principal part of it was solved by two oflicers of the IUdson's Bay Company. Captain Back suys that tho season was so bad that the Budson's Bay ship of that year was obliged to return without completing her royage. It is to bo heped, howerer, that nfter the harassing diffenties experienced hy Sir Edward Pary, and the failure of Captain (ieorge hyon, and that now by Sir (ieorge Back, no farther nttrmpt will wer be made where Cape Comfort and the Frozen strait are concerned.

C'aptain hack's character is well known, but a short

## BACK'S ATTEMPT TO REACH REPULSE BAY. $\mathbf{3} 43$

 it muy pass 1 bor or on the the $\cdot \mathrm{m}$, a ship 1 intermin, and , when -such rongestAull officers that by ted delatter. to say thg ex0 above
odily as Terror, Lough nexpoeach its pect the 1ble cir'which it ist quite art of it y Com4 so bad diged to s to be Ities exof Cap) (1) Back, pe Comn short
sketch of his serviess may not be inappropriate. Ho, entered the navy in lans, in his thirternth year, on board the Arethinsa. The following yoar he had much bentservico on the const of Spain ; on one occasion he was in the lanch, which was eaptured, hut not antil fifteen men out of eightern were killed or mortally womuded. Back was sent a prisoner to Verdun. On his release in 181.t he joined the Ahbar, which was sont to the North American station, and on coming home, received the flag of Sir Byam Martin, and was sent to the Schedelt. In lelti he passed his examination, and was appointed Admiralty midshipman of the Bulwark, und in 1old Adnuralty midshipman of the Trent, under tho command of Lientenant Pranklin. The following year he again joined his friend Lieutenant Franklin, who was about to proceed 10 the coast of the Polar Sen, whero his charucter for talent, activity, and exertion was fully established, and his humanity displayed by saving tho lives of the whole party, at the expense of great personal seffering. On his return he was promoted to the rank of lieutenant, joined the Sea-horse, and was sent to Gibraltar, then to the West lndies, Bermuda, and LisImon ; from the last ho roturned to join his friend Franklin, as lieutemme on his second expedition, in $18: 5$; eame back in $18: 27$, and was made commander. Being abroad for the recovery of his health, and having learned that ( $'$ ptain Ross and his nephew had not been heard of, ine returned home, and hy his own exertions, and the becommendation of the Royal Geographical Society to Lard (ionderich, was appointed to proceed throush North America to the eastern portion of the const of the Polar Sea. The alstract of his journul has beon described. He returned in 1835, and was promoted to the rank of captain. In 1836 tho Admirnaty decided that an expedition should be sent to Wager River or Repulso Bay, and Back, as we havo just seen, was appointed to the, command of H. M. S. Terror; and on his return from this disastrous voyage he received the honor of tinighthood.

## CHAPTER XIV.

## MISCELLANEOUS.

1. Narrative of a sicomd Voyage in Scarch of a Northerst Passaga, and of a Residiuce in the Arcie Regiome during the Fiars 18:99:30-31-:3-3-33. By Sir Joun Rass, C.B.,

2. Report from Selent Committee on the Eixpedition to the Arrlie S'cas, commanded biy Coptain John Ross, R.N.
 April, 183:.
3. Nerrative of the Itisenervics on the North Coctat of America during the Years 1833-3:3. By Thomas Sompson, Eisu.
Havive put on reeard the tithe of the narative of this second soynge, fogether with the multilarions personal distinetions, de., any farther notier of the "Nimrative" of Captain John Rass (as he is simply described in the Report of the saleet Committere) will he dispensed with, anialy for the reason that the "second voyuge" was a private specuhtion, not anthorized by any brameh of the goverment, und that the report of a committere of the House of Commons proceded its pmblication: it may theretore he supposed to contain tho substance of the most material peints in the "Narrative," und on that necomit the only notiee of it will be confmed to the procardines of this committre.

Besides, the title-puge of the book gives no encomagement for ome to look into it, esprecialy one who was using his best endeavors to promote expeditions for the search of a northwest passage, which Captain John Ross repudiates, though, with his usmal consistency, he momomees his book to he the "Nurrative of a Voynge in Seareh of a Northwest Passuge." And this he still umonnces aftrr the following questions and his answers, on examimation before the committee, had been published:
"Do you conceive that my farther nttempt to disoner the Norlhwest Passage would be attended with great danger?"

Captain Russ says, " 1 do."
"And if successful, would it be attended with any public benclit?
"I helieve it wonld be utterly useless."
A further question might here properly enongls have been put, but was not : "Then why did you go in search of a thing so uttorly useless, nid nttended with so much danger?" And now (having assigned reasons for not meddling with the "Niarrative") to $p$ roceed. It is not the business of any one to search into the real objoct that could have induced a captain of the uavy to take the command of a morchant ship, without a commission, withont official instructions, and without my autherity but such as is given to the skipper of a trading vessel, or to inquire into the motives that conld actuate a wealihy spir-it-distiller to supply e $£ 17,000$ for the outlit of the said vessel. It may perhaps, at first, havo worn the appearance, from the profound secrecy with which it was desired by the contributor to be conducted, of having originatod in the prospect of being a promising speculation; and so indeed it tmened ont, motwithstanding tho most discouraging outset, and the distressing circumstances that attended the execution of the voyage ; for it was entirely owing to the latter that the projector of it received a grant of monoy boyond his ontlay, and tho proprietor, it he may be so called, received for the money he advanced the grant of a distinguished honor: thus it is to be hoped that the expectations of both have been satistied; nor will they be comsidered by uny ono as misplaced, the one being a remumeration for his long sufferings and atixioties, the other for his disinterested mad munificent generosity.

The history of the undertaking is a short one, and thal by the purties themselves to the committoo moved for by Mr. Cutler Fergusson, a Scotch nomber of Parlinment, tho object being to obtain for Captain Ross tho sum of $\mathfrak{E}$ 施) 0 as a compensation for the expenses incurred hy him, amounting tu botweon E2000 nma $\mathfrak{E}: 3000$, and in considmation, it maty be supposenh, of his suffirings: a sum which woudd at once have been awarded hy the Honse of Commons, and thos have spared $n$ gevit: deal of monsense in the committoo, as will be seen in tha, few extracts that will here bo produced. Wo have,
first, the history of the expedition, which is doubtless the true one.

Cuptuin Ross examined:
"What wis the inducement to you to undertake this last experdition?
"Whon his majesty becane lord-high-admiral I sent in my propositions, and afterward agnin to Lord Melville, when he becume again tirst lord of the Admiralty: I received an answer that they did not intend to pursue it any more.
" What was the cos' of the expedition?
"'The cont of the expedition was $\mathfrak{£} 17,000$ to Mr. Booth and $£ 3000$ to me.
" Did your men express themselves satisfied with what had been done to them ly the Admiralty?
"Every ono of them; they all rejoiced that the Admiralty had behaved so well to them." [The Admiralty gave them donble full-pay till they abandoned the ship, and full pay atterward, in all £4530.]

Mr. Felix Booth examined :
" Perhaps you will have no objection to state the circumstances which induced you first to undertake the charge of the enterprise which Captain Ross commanded?
"Not in the least. I had known Captain Ross for somo years, and I undertook it for the credit of the country amal to serve Captain Ross, thinking that he was slighted in his former expedition; that there was a cloud hanging over him, and that he was anxiotas of an opportunity of going out again. I felt interested that all diseoveries should be made by our countrymen. He said he should very much like to go out again, and thought he conld doit at a small expense. I said, - Well, then, put down, and let me see what you call a smali expense.' He afterward brought me a paper, making it about $\mathfrak{£} 10,000$. I said, 'Well, I should have no objection to advance $£ 10,000$, if that would be the utmost sum required; but I sain,' I will not engaro in it, because there is $£ 20,000$ reward for any person who shall discover the passage, and it would look very much as though I had an objeet in view.'
" About a twelvemonth after he came to me, and said, 'Now it is all over; the reward is done away with.' I then said I was glad of it, and it he wanted assistance I was willing to give it; he was amazingly delighted: on which I told him, 'I will assist yon, lut remember it must be in the utmost confidence, and I will not do any thing that is inimical to govermment.'
" In the event of l'arliament voting any money to Captain Russ, havo you nuy expectation of receiving any portion of it?
loubtless
this last
I sent int He, when ceived an re.

Ir. Booth
what hal
Admiralty gave them lll pay atclarge of
a for some try and to in his firor him, and tagain. 1 de by our to go out e. 1 sainl, all a smali pig it about tion to actrequired;' is $£ 20,000$ age, and it n view.' and said, (1.) I then I was willhich I told - in the utinimical to
"Certiminy not.
"Your olject in making this munificent sacrifice of privato fortune was solely for the alvancement of the honor of tho country, the interest of scionce, and to gratify the feelings of a frienil?
"Procisely; that is the truth."
Thus fir overy thing appears to have heen conducted with great liberality on one side, and with a proper feeding on tho other. If, as Mr. Booth states, Captuin Ross fielt a chond was hanging over him on accomet of ill-natured reports, and, moreover, felt himself slighted, he certainly took the most proper method of silencing them, by going ont once more to the sume spot where he had undoubtedly fuiled on the former expedition; but the slight he received must be imagiuary, for he was promoted to the rank of captain immediately after his return lrom a few months voyare of pleasure, for so it may be called. Captain Ross has since endeavored to expinte the fitult imputed to him by a second expedition, thongh a privato one, in which, however, ho has committed somo grave geographical errors, mad made some other very absurd observations, into which he was incautionsly led by injudicious and not very appropriate questions of the committee.

Tho money being promptly forthcoming, a ship called the Victory was purchased, and fitted out with stram-engine and paddle-whecels, which turned out, as Ross, professing to be a good mochanic, ought to have foresuen, in perpetual and harassing enemmbrance. The manning of this vessel consisted of himself, Commander James Ross, Mr. M•Diarmid, surgeon, Mr. Thom, purser, and a crew of nincteen men, making in all twenty-three persons. 'They left Figland in June, I8:09, reached Davis's Strait in July, and Lamenstrer Sound in August ; found no impediment in proceeding to the western side of Princo Regent's Inlet, and frem that side to the beach where the Fury was wrecked, but no appearance of the vessel, hasing either gone to pieces or gone to the bottom. The tent-poles, howner, were still standing, and vast henps of casks, cases, and canisters were observed to be piled up: and, on landing, nll found to be entire. The Victory was therefore moored, in order to pat on bomal her as much bread, flour, wine, spirits, sugnr, cocon, \&c.,
as she could stow, fifter which the heap is said to have been scarcely diminished. There is some reason to believe that this precious deposit of stores was one great canse of loss having taken this route, though he told the committee it was in seareh of what had been agitated tho 'w.st ${ }^{2} 00$ years, and also that the olject was to decido whether there was that passage, to which Captains Purry and Franklin had devoted thoir nttention. But ho neorover told the committee, "I should not have been justified in going if I had not known that the stores of the l'ury were in Prince Regent's Inlet." He knew of what thoy consisted from Purry, und might, perhups, have been in possession of an invoice of the whole, anounting, it is said, to three yeurs' consumption.

By the ond of September the Victory reached a harbor on the southenst corner of the hand which she had been consting, and to which, ont of gratitude, Ross gavo the name of Boothin ; but the northern part of this coast, for about a humdred miles, had been maned by Captain Pary North Somerset, and it was about two hundred more to the harbor, to which was given the name of Felix. Here the Victory was frozen up for the winter, and remained fust bound up just twelve months.

This is all stated before the committee, a portion of whose proceedings follows. But, in the first place, it may be right to point out that the committeo, in their report, have been grossly misled in stating, mong tho great public services which Ross has performed, "tho demonstrution that one passage, which had been considered by proceding navigators to be one of tho most likeIy to lead from the Athutic to the Pacific Occam, does mot exist." Now what was this demonstration? They had asked him if he conceived he had ascortained the fact that no practicable commmaication existed between the Athatic and Pacific Ocome, and ho replies, "I'ositively to the somthward of the 7 thl degree :" and he firther tukos oceasion to tell them, "Wo estublished Leorpold's Islund to be the northeast point of America:" in other words, no commmication exists betweon the western ind the enstern seas to the somblhard of that perint ; mad his demonstration, or positive proof, is thas brought out.
to have in to bene great told the ated the 0 decile ins ParBut ho, ave been stores of to knew perhups, whole, on. d a harshe had wss gavo his coast, Cuptain hundred name of e wintor, ortion of place, it in their nong the ed, "tho n considnost likeran, does

They finell the between " Posid lio fillred Loorrica:" in he westat point ; s brought

Captain Ross examined :
" Did yon ohserve the difference in the altitude of the two seas cant had west of Boothia Folix?
"Yes.
" What was the difference?
"The difference is thirtren feet.
"Lpm the supmsition that the land is continuons northward from the 7 th dearee to the P'ole, whould gon expect to find that differenre of altitude in the seas?
"I should certainly, from the rotative motion of the enrth."
The learned member who put these questions seems not to have been sutisfied with the replies which he had reesived from Captain Ross, for on a third exmmination he returns to the charge :
"You stated, umong the other reasons you gave, that there was no northwest pasiage practicable; that there was a difference in the altitule of the two seas cast and west of the isthmas which unites Boothia with the continent of America?
"Yes; I was the only ofticer there: Commander Ross had no opportanity of ascertaining it; it was while he was on other services: it was when I went with the provisions to him I aseertained that; in two years, in June, 1830, and the cud of May, 1831.
"The observations made at two diflerent times both led you to the same result?
"Y'es.
" Ifave you any doultt upon that?
"Not at all; I measured it with the theorlolite in the usual way; the process hecomes very simple, and incapable of error to those who umderstand it.
" There is a difference, is there not, in the altitude of the Pacifie and Atlantic Oceans on the east and west sides of the Isthamo of Darien?
"I have heard there is, and the Red Sea and the Mediterrancom ulso; there is eight feet rise and fill of tide on those isthmuse's, and only fourteen inches on the west side; I tried that at the time ; I broke a hole in the ice for the purpose."

Cuptain Ross must here huve been sadly bewildered, which caused him to talk unintelligible nonsense. The member who put the question did not ask for explanttion. but for a simple fact. He appeared, indeed, to be himself somewhat in the dark. Had he consulted his Arrowsmith, he wonld have fomm that the Isthmus of ${ }^{-}$ Darien has neither cast nor west sides-they me north
and south. I'hose isthmuses in the Red Sea and Medit crranenn are utterly mintelligible; and those of benthin and Darien are culendated to pat one in mind of tho rivers of Mommonth nand Macedon. 'There is an Isthmus of Darion and an Isthmus of Boothin, "and there is thirtecn feet water at both;" the thirteen feet appears very much to have been borrowed from Mr. Lloyd's" Darien." The examiner would seem not yet to have been sutisfied with the process of the theodolite, and the hole in the ice; he should have inguired what was the result of the loole ; did it, like one of the (ieysers of Iceland, throw up a jet of thirtsen feet, not of hot, hat salt water?

Commander James Ross was asked,
"Are yon nware of the fact, that the two seas right und Loft of the isthmus which commerts Boothin with the continent of Amorica are of different altitudes?
"No, I min not; nor had we the moans of ascertaning the fact with arcuracy; it would tuke at lenst two or three momeths to ascertain it with the accuracy such an observation would regaire.
"You have no reason to suppose such a thing?
" None whatever. No; I never heard of it till this moment.
" Ias Captain Ross never told yon that he had ascertained that to lo: the tiect?
"Captain Ross may have made observations which have satisfird his mind; but I doubt whether he can have made ohservations that would satisfy the minds of those who may investignte the matter."

So much for Captain Ross's "demonstration" of the water-built wall, 13 feet high, extending from Boothin to the North Pole, and his joining Boothin to North America; yet he satistion the committee, as appears by their report, that a passage south of Buothia docs not exist. But the committer and Ross also shall be sutisfied, before this chapter closes, that not only is there mo such junction, but that they are completely divided by a navigalie struit, ten miles wide and upward, bading past Back's Fistuary und into the gulf, of which the proper name is Akhooleo, not Boothia; nud, moreover, that the two seas flow as freely into ench other as Lancaster Somod toes into the Polar Sion, mid are, of course. on the sume level.
and Medof Buothnd of the Isthmus re is thirears very Darien." n satisfied de in tho ult of the id, throw ter?
right innl continent
aining the ce monthy ion would
ll this moscertained hich have ave natule who muy
" of the n luoothto North pears by es not exsatisfied, o no such by a nuviding past te proper , that the ancuster se, on the

Next after this lucid demonstration, it remains to he explaned by what process he utterly demolishes the Nowthest Passine. It has already been noticed that Cuptain Ross conceived nuy fiuther nttempts to diseover the Northwest Passage would be very daugerons, and, if suceessfiul, would be utterly useless.

Ross was asked:
"The iudications that were relied upon in tho begiming of these voyages of diseovery, as to leading to the conclusion that a prasage might be fommel, have totally failed?
"They have been totally disproved."
Commander James Ross:
"What was your experience in former voynges?
"I hal been in tive former expeditions, and had been engaged uhout ten years in those seas.
"Did you, in fact, accompany all the preceding Aretic expreditions sent to those seas on discovery?
" I accompranied all the recent expeditions sent to those seas on discovery.
"On how many of them had Captain Ross been?
"Only on the first.
"How many summers have you passed on those seas?
"Fourteen summers, nud eight winters.
"You do not think the voyage has furnished any conclasion against the existence of a northwest passage?
"No; it has male it still more, certain than it was before that a northwest passige must exist.
" Upon what observitions made in the last royage do you ground that opinion?
"From the ablitional portion of the ontline of the continent of America explored on this occasion, on the eastern coast of America, and the western const of Boothia.
" Do you believe that is would be practicable to go throurh that northwestem passage?
"There is no question that it would be much more casy now that we are acquainted with the nature of the formation of the continent of America."

Captain Francis Beaufort examined :
"IFas the voyage undertaken by Captain Ross, in your opinion, been equal in importance, with respect to the puestion of the northwest passage, with previous voyages undertaken for the purpose of ascertaining it ?
"I do not know how to shape an answer to that question, unless by measming the mumber of miles discovered in ead voyage.


IMAGE EVALUATION TEST TARGET (MT-3)


Photographic Sciences


Corporation
"Do yon consider that the closing up of Prince Regent's Inlet narrows the range within which a northwest passage may be found within a short compass ?
"It only marrows it by one of the openings.
"Does it narrow the opening to something above 74 degrees north latitude?
. There are several openings from the end of Lancaster Sound. Prince Regent's Inlet was one of them: by clasing that, he has removed one of the probihlo means of getting to the westward; bit there are three still open.
"Will you specify their names?
"One is going ont by the Wellington Chamel to the northwest ; another proceeding by Molville Island; and the third wonld be by getting to the sonthwest after passing the cape, which Captian Ross supposes [asserts] to be the northern extreme of America, toward the shore laid down by Franklin and Richardson.
"Do yon consider that the closing of the most southerly outlet closes that sipposed to be most likely to be practicable?
"No; for that is not the route I should have taken if employed on that service."

Nothing farther need be said on Captain Ross's opinions regarding a northwest passage ; but as Commander James Ross is the officer who did all that was done, or could be done, and appears not to have been treated on this committee as he ought to have been, it may be proper to state, briefly, an outline of what he did on this voyage, in addition to what has been said of him at the conclusion of Parry's "Polar Voyage."

The first year after reaching Felix Harbor, Commander Ross made five or six journeys from the ship, of about a month to ten days or a fortmight each. On the first ho discovered and crossed the Isthmus of Boothia, which joins it to a peninsula. On a futme journey he uscertuined it to be fifteen miles in width, with a lake in the center, und five miles of land. To a question of the committee as to what part he took in the geographical discoveries made, his reply was, "The whole extent of geographical discovery is perhaps between 600 und 700 miles of new land; out of that probahly abont 260 miles were discovered in the ship as she proceeded down the const ; the remaining 400 or 500 were discovered by myself, with parties of three or four men detached from the ship-expeditions that
te Regernt's rest pasage
ove 74 de-
f Lancaster by clasing of getting to
a the northth the third yg the cape, orthern exy Franklin it southerly macticable? aken if em-
oss's opinommander is done, or treated on it may be did on this im at the
or, Comthe ship, ench. On thmus of a future in wilth, nd. To a ook in the as, "The rhaps bethat probhip as she 00 or 500 three or tions that
were severally planned and conducted hy myself." Ho also states, in reply to firther questions, that observations in geology, natural history, and botany, with the collecting of cpecimens, wers mide by himself, he being the only person who at all muderstood the mature of those subjects. He is then asked if he personally made the observations from which he inferred thut he had discovered the true position of the magnetic pole. "I did," he says, "for two years previons to the time I went to the magnetic pole. I was engaged in observations necessary to determine its exact position; having ascertained that spot, I then conducted a party to tho point so determined, and there 1 made a series of observations by which I aseartained that to be the exact position of the magnetic pole."

It must be considered most ungenerous, on the part of Captain Ross, to detract, as he doos in his ex-mination, from the merit of his nephew, who alone deserves the credit of having fixed the point, as near as is capable of being done, of the Western Magnetic Pole. In his answers to the committee he never once considers Commander Ross as the sole discoverer, but wow'd make it appear that every thing was done in his presence, and with his co-operation: thus, for instance, he says, "ue were in a position where the compass had no power of traversing-by continuiag our observations we arrived at the spot-ue passed ronad it-whichever way we passed it, as we passed round it, the compass tumed toward it horizontally." The truth, however, was elicited at last.
"How near were you yourself to the point of the Magnetic Pole?
" I suppose I was within forty miles." And this, timen, must have been the distance at winich we were walking round it. The committee might have had the sagacity to ask him how long it took him to walk round the cireuit of one hundred and twenty miles. They did ask him another kind of question :
"Within what area do you concedve you have reduced the situation of it?
"One miir."
The stime question being put to Captain Bemfort, ho replies, "There can be no speitic or precise point to $\because 3 \quad$ liu:
fix the situation of the Magnetic Pole within a degreo or half a degree."

It was a general belief at the time, that, had Captain Ross's conduct before the committee been of a contrary tendency, the comnittee would have been disposed to have recommended for his nephew, what he richly deserved, some pecuniary roward, as compensation for his losses, which amounted to $\mathfrak{x} 300$ or $\mathfrak{t} 400$. Every thing, in fact, in this ill-advised expedition, rested on the talent and activity of the commander: it is not clear, indeed, that the lives of the whole party did not depend on him. The committeo ask hinn:
"Had yon an opportunity of personal participation in any specific service to the expedition, by which you consider that the lives of the people were preserved ?"
He modestly replies,
"I do not know whether I sloguld quite say I had; but certainly it was essential to the safety of the peoplo that I should leave them on one occasion. Accompanied by two of the strongest of the party, I advanced toward the Fury's stores, to see whether they were there or not ; for, had they gone there without finding the provisions, the whole, or nearly the whole, party must have perished; but by my going and returning with a supply of provisions, I enabled them to reach the Fury's stores."
Captain Ross should have been the last person to throw any $\mathrm{im}_{1}$, ediment in the way of remuneration to his nephew. He and his crew were aript rewarded in money, and limself in money and in onors; the former was very properly bestowed, for his boldly engaging in so hazardous, though ill-advised an enterprise, for the sufferings of himself and party, and for the lougcontinued anxiety, which money can only poorly reward: of the latter no one will envy him; a few foreign princes may think themselves flattered by having their names dotted along the coast-line of a thing called a churt, but the King of England's family aro not so easily captivated by buits of this kind. Captain Beaufort says, "Captain Rows hrought to me a chart to prepare for the king, which I did, and returned it to him; and there is no eopy of it left in the Hydrographical Office:" and as Captain Beaufort makes no description of it, neithes a the talent ar, indeed, and on him.
ation in any onsider that

I had ; but eople that I nied by two 1 the Fury's or, had they ole, or neary my going led them to
person to neration to rewarded onors; the boldly enenterprise, or the longpoorly relew foreign taving their ag called a ot so easily ufort says, are for the ad there is fice :" and it, neither
will any he made here; the less that is said of it the better. The honors, however, have been carefully preserved, and copied into a certain repository* for general information, as follow :
"Ross, Captain Sir John, entered the navy in $1 \approx 90$; fifteen years a midshipnann seven years a lientenant; seven years a conmander; became a post-eaptain in 1818; received numerous mark of public approbation in consequence of his Arctic Exped; ' ns ; was made a Commander of the Sworl of Sweden; a nuight of the Secoud Class of st. Amme of Prussia (in diamonds); Secom Class of the Lagion of Honor ; Secoud Class of the Red Eagle of Prusia; Second Class of Leopold of Belgium; gold medals from the Geographical Soeiety of London, the Geographical Institute of Paris, the Ruyal Sucietics of Sweden, Anstria, Demmark, \&e.; the freedown of the cities of London, Liverpool, Bristel, Hull, \&e.; six gold sunfflooxes from Russia, Holland, Demmark, Austria, London, and Baden; a sword valued at $£ 100$ from the Piatriotic Fund; a sworl, value £200, from the King of Sweden, for service in the Baltic and White Sea, \&e.; and nunerons other acknowledgmenis of lis eminent services in the expedition to Baffin's Bay in 1318, and his distovery of Boothia Felix and the North Magnetic Pole! Ls now consul at Stockholm, to which office lie was appointed in 1838."

Frauklin, Parry, James Ross, and Richardson, be contented with your simple knighthood, assured that you have no occasion to covet any of the numerous honors and et ceteras carefully registered in Mr. Dodd's list, and knowing that your merits are enrolled elsewhere.

The result of atl the nonsense about isthmuses, theodolites, and holes in the ice, and the absurdities to which they gave rise, have been completely quashed by the persevering and energetic labors of Messrs. Dease and Simpson, two officers of the Hudson's Bay Company: their extensive discoveries are contaned in a small volume, which carries with it the stamp of truth and modesty. $\dagger$ These gentlemen have surveyed the remainder of the western part of the coast, left by Frauklin, from his Return Recf to Cape Burrou' ; again, from Point Turn-again to the eastward, as far as the

[^26]Gulf of Akkoolee: to this latter portion the notice here talien must be confined.

In July, $1 \times 39$, they entered the Coronation Gulf for the second time with their two boats, passed Cape 'I'mrn-again, and, from a point on the continent of Americh to the east ward of 'Tarn-igain, they thence observed to the northward a large tract of land, to which they gave the mano of Victorin, either joining with, or separuted by a stmit from, Wollaston Lamel. On their return they traced the coast of Victoria for about cleven degrees of longitude. From Cape Alexander, the sontharn coast of the Polar Sea trended somthernly to a hargo hay erowded with ishuds, which they called Labyrinth Bay, opposite to which was Molbome Island. Liower down the coast, in hatude $58^{\circ}$, was Sir (iny Camphell's Bay, into which Ellice Rivor poured its waters-a stremm deseribed as much larger than Copper Mine River; the bordering country consisting of greer flats, little lakes, and knotty knolls. This coast still descended to the sonthward, Ogden liay being the lowest, in latitude $67^{\circ}$ $36^{\prime}$, longitude $101^{\circ} 15^{\prime}$.

On the 10, of Aurust they fomed the American coast trending to the northerstward, and "procereded all day anong islands, so that some of the party began to apprehend we had lost the continent altogether." In the avoning, however, the rapid rush of the tide an! the position of Back's River "left no longer muy room to doubt the noighborhood of an open sea." But Mr. Simpson says, "I candidly acknowledge that we were not prepared to find so southerly a strait leading to the estuary of the Gruat Fish River (Back's), hat rather expected first to domble Cape Felix of Commander James Ross, toward which the coast had been latterly trending." Their object ind been to proceed northerly as far as Cape Felix, and they contimued in a direction along the coast which would have led them to it ; but, on finding a separation by their newly-discovered strait leading to the eastward, they entored by doubling the southern point of it, which they call Geddes; they proceded along that coast, on a point of which Simpson handed, and found that to be Back's Point Ogle. They entered the estmary, passed Point Pechell, and ascended
tice here
Gulf for sed Cape of A merobserved Hich they , or sepatheir reut eleven he southto a large Labyrinth

Lower 'amphell's -a stremm iver: the the lakes, ed to the itude $67^{\circ}$
can coast ed till day an to apIn the and the room te But Mr. we were ng to the it rather mander a latterly northerly direction , it ; but, ed strait bling the hey poSimpson

They assronded
southern! to Montreal Island, on which they landed near the spot whowe Back had encamped; and under the guidanee of M•Kuy (one of Back's men), they discovered among the rocks a deposit of bags of pemmican, chocolate, canisters of gumpowder. and percussion cups. Tho pemmican is said to have been "literally alive," and the chocolate rotten. Some minor articles were taken possession oi hy the two leaders, "as memorials of our having breakfasted on the identical spot where the tent of our gallant, though less successfin, precursor stood that very day five years before." They had thas determined the northern limits of America to the westward as fir as Back's Estumry; it still remained a question whother some part of Boothia might not be united to the continent on the castern side of the estuary. Doubling, therefore, its eastern promontory, they passed a point of the continent which they named Cape Britannia, and another called Cape Sclkirk; and proceeding toward some islands in the Gulf of Akoolee, so far as to satisfy themselves that they were to the eastward of any part of Boothia, they began to consider that the time of the year made their return expedient. Whereupon they commenced preparing their hoats at this their farthest advance, and took the same route back, with this differenee, that in passing Simpson's now strait they nov. coasted it on the northern side, and designated the westem entrance cape, on that side, by the name of Herschel, where they erected a cairn, with the date 20 th of Augnst, 18:39. The strait was there ten miles in width, and much more at the entrance nenr to Back's Fstuary ; at one place, about the middle, it was only thr : miles, and its depth from thirteen to sixteen fathoms.

Mr. Simpson gives some observations on the dip of the magnetic needle. He says, when the Magnetic Pole bore from them N. $7^{\circ}$ E. 105 miles, the dip was $89^{\circ} 29^{\prime} 33^{\prime \prime}$; when N.N.E. 90 miles, it was $89^{\circ} 28^{\prime} 45^{\prime \prime}$; and when off Cape Britannia, it had decreased to $89^{\circ}$ $16^{\prime} 40^{\prime \prime}$, "as might have heen expected from our increasing distance from the Magnetic Pole."

On their return along the coast of America, they crossed over to near Point Back-on the hamd of Victorin, and traced that shore as far as Point Parry-a space
of one hundred and fifty-six geographical miles; but this land extonded both to tue east and to the west beyond these two points; and they supposed, as before montioned, that a wido channel might divide the latter from Wollaston Land. Their next object was the month of the Copper Mine River, which they reached on tho 16th of September, "after by far the longest voyage ever performed in boats on the Polar Seas, the distance we had gone not being less than 1408 geographical miles."

Their account of the whole line of the Polar Sea coast of North America, from Icy Cape to the Gulf of Akkoolee, is well worth perusing; but it is time that the present volume should druw to its close. The annexed mall chart contains the combined discoveries of Ross, Simpson, and Back, on that portion of the North Coast of America opposite to, but divided from, the southern part of the Island of Boothia (itself a portion only of North Somerset), which united must now take their place among the numerous clusters that crowd the eastern part of the Polar Sea, sume of them to a distance northerly yet unknown.

It will be seen bry the chart that Sir James Ross thinks it not improbable, since the discovery of the land seen by Simpson, and marked on the chart "Captnin James Ross's Point," that the vacant dotted space between Point Scott and Cleft Mountain may be land, as he has marked it; and also that the space between Cape Smyth and Point Scott may be a wide channel, opening into the lower part of Prince Regent's Inlet: should this be so, it will form the continuation of his own strait, through which not only a single ship and boats, but whole fleets, may pass. At the same time, it must be admitted that conjectural geography is never safe : the direction of a coast-line, or the course of a river, can only be known, and then imperfectly, to the distance of the farthest point of sight; to arrive at correctness, they must be traced.

The object of this miscellaneous chapter, with the small chart, is to point out distinctly, and to correct, the erroneous impression which the Report of a Select Committee of the House of Commons is calculated to
es; but this vest beyond efore menlatter from o mouth of ned on the rest voyage he distance eographical

Polar Sea he Gulf of 3 time that

The ancoveries of the North from, the f a portion t now take ; crowd the $m$ to a dis-
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eonvey, founded on the most ubsurd nonsense, given in evidence before tho committee, especially that part of it from which a conclusion is drawn that a passage docs not exist between the bottom of Prince Regent's Inlet and the Polar Sea, which has since been proved to be wholly incorrect.

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     fomarerq-the three desimated as up-right, domeright, and nerer-right. $\dagger$ Mr. Marrow, who was so much pleqsed by the lother, and the little tre atise whichacompanied it, that heat oner submitted to Lord Delvilleg him (a, inion, that le was jn-t the man for such an appointment.

[^5]:    * D: yden's Eimperor of Mexico.

[^6]:    

[^7]:    Shmiadly lastruction＊

[^8]:    
    
    
    

[^9]:    * See Cuptain Lyon's Voyage regarding this bird.

[^10]:    ＊Admiralty fa－tructions，

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[^12]:    * There is no Appentix in the second Voyane: the collections of naturn history, and eertain of the observations, are included in the prese nt unt.

[^13]:    * He adds in a note. "This plan, as originally proposed ly (aptain Finklin, was given to me by Mr. Batrow soon after my return hrom the
    expedition of $1824-5$."

[^14]:    "Han w" sucereded in rearhing the higher hatitules, whore the chmer of the mans altithle duriny the twenty four homes is still hes per-
     menth- of knowing this, sine an eroor of tweder homse of time world have cirried ins, when we intended to return. on atmeridim oppo-ite to, ar 1-0' trom, the rivht ome. 'To ohviate the poseihilly of his, we had
     of whin the home hand made only one revohution in the day, the twe is-four hours being malsed round the dial-phate."

[^15]:    A welldenerved compliment to the urtibeers of that yard, fud to th. "iz ible mitter-righwright, Mr. Oliver Lang

[^16]:    * The reader is referred to the several portions of this volume for lies pendulnm observations that have been made and herein given.

[^17]:    On a representation from Hult that eleven whate shiper and six hum-
    
    
    
    
    
    
    
     tsth was probably lo-t, as some ol her anks had been pieked up at oca.

[^18]:    - Introduction.

[^19]:    
    

[^20]:    * Augustus was not one of the tive who proceeded to this phare. On their departure Framklin says, "A ughstus did mot make his nppearance, but we telt mo alam at his absences." No doubt he had followed alono to the fort, mad Fromklin omitted to notice bis arival.

[^21]:    * It was gratifying to timd that these brave men were not forgothen at headquarters in thrir ubsener, Franklin being rased to the rank of eaptain, and Mr. Back and Mr. Hood each to that of liedtenant, and honent dohn Hepburn placed in a comfortable situation in one of the dockyurds.

[^22]:    *Appendix, p. it, table 75.

[^23]:    * Sce Back's aecount of the fate of this excellent man.

[^24]:    * Barrow's Chronological Ilistory of Arctic Voyages.

[^25]:    * Maswer of ice below the surface of the sem, projecting from the man body athere it.

[^26]:    * Dodd's Peerage, Baronetage, and Knightage, \&e.
    $\dagger$ Narrative of the Discoveries on the North Cuast of America, efiected by the Otifers of the Hudson's Bay Compuny, during the years 18:3i1839. Hy Thomas Simpison, Eisq.

